Appendix G-1

Phase I Environmental Site Assessment

Phase I Environmental Site Assessment

REPORT DATE: May 4, 2023

PROPERTY INFORMATION:
Gateway & Foothills
10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road
Irvine, Orange County, California 92602

PROJECT INFORMATION:
AEI Project No. 477333
Site Assessment Date: April 24 & 26, 2023

PREPARED FOR:
City of Irvine
1 Civic Center Plaza
Irvine, California 92606

PREPARED BY:
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May 4, 2023

Peter Carmichael
City of Irvine
1 Civic Center Plaza
Irvine, California 92606

Subject: **Phase I Environmental Site Assessment**
Gateway & Foothills
10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road
Irvine, California 92602
AEI Project No. 477333

Dear Mr. Carmichael:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (714) 349-5760 or lhenderson@aeiconsultants.com.

Sincerely,



Lisa Henderson
Project Manager
AEI Consultants

PROJECT SUMMARY

10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California 92602
AEI Project No. 477333

Report Section		REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Records Review				✔	None
4.0	Regulatory Agency Records Review			✔		None
5.0	Regulatory Database Records Review	✔		✔		Compliance with regulatory requirements until closure is achieved for the open SLIC case
6.0	Interviews and User Provided Information				✔	None
7.0	Site Reconnaissance	✔			✔	Subsurface Investigation and proper remediation of significant staining
8.1	Asbestos-Containing Building Materials				✔	Asbestos survey prior to building demolition
8.2	Lead-Based Paint				✔	Consult with a certified Lead Risk Assessor
8.3	Naturally-Occurring Radon					None
8.4	Suspect Mold or Microbial Growth Conditions					None

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REPORT VIABILITY

Site Visit	April 24 & 26, 2023
Regulatory Database Review	April 6, 2023
Interview(s)	Property Owner: May 2, 2023 Key Site Manager: April 24, 2023
EP Declaration	May 4, 2023
Environmental Lien Search (if conducted by AEI)	N/A
Report Viability per ASTM E1527-21	October 3, 2023

The dates listed are required for Users who are using the report in connection with CERCLA liability protections. The User may have their own criteria when the report is being used for business risk purposes, and not CERCLA liability protections.

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by City of Irvine to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

Property Information	
Site Address(es)	10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California 92602
Property ID (APN or Block/Lot)	A portion of 104-118-09, 104-118-10, 104-118-13, 104-118-97, 105-118-58, a portion of 104-118-59, a portion of 104-118-71/104-118-73/104-118-74, and 104-118-98
Location	Bound by Jeffrey Road to the northwest, Hwy 241 to the northeast, Bee Canyon Access Road to the southeast and Portola Parkway to the southwest
Property Type	Agriculture, vacant and light industrial
Site and Building Information	
Approximate Site Acreage/Source	Approximately 118; Gateway 80, Foothills 38/Client provided
Number of Buildings	Three permanent buildings (Gateway) and multiple portable/temporary buildings (Gateway and Foothills)
Building Construction Date(s)/Source	circa 1965/Historical Aerial Research
Building Square Footage (SF)/Source	Unknown
Number of Floors/Stories	One
Basement or Subgrade Area(s)	None identified
Number of Units	13
Additional Improvements	Portable/temporary buildings, storage yards, agricultural fields and unpaved roads
On-site Occupant(s)	See Table Below. The subject property has been defined by two areas: Foothills and Gateway
Current On-site Operations/Use	Farming, construction equipment storage yards, equipment maintenance and associated administrative activities
Current Use of Hazardous Substances	Yes; refer to Section 7.1
Regulatory Information	
Regulatory Database Listing(s)	AST, CERS TANKS (x2), FINDS (x4), ECHO (x4), CERS HAZ WASTE (x5), CERS (x6), HAZNET (x7), HWTS (x8), PEST LIC, ORANGE CO INDUSTRIAL SITE (x2), SLIC (x3), CA FID UST, CIWQS

Tenant Information

Subject Property Address/Unit	Tenant	Use	Accessed
Not Listed; Foothills	SoCal Sandbags	Storage yard	Yes
11501; Foothills	Griffith Construction	Crushing and recycling concrete	Yes
11501; Foothills	Irvine Valencia Growers (IVG)	Office, storage yard and mechanical shop	Yes
10851; Foothills	Stice Construction	Office and equipment storage yards	Yes

Subject Property Address/Unit	Tenant	Use	Accessed
11159; Foothills	Nakae & Associates	Office and equipment storage yard	Yes
11501; Foothills	Suchy Trenching	Warehousing/storage	Exterior only
11161 (11153); Foothills	Jimni Systems, Pump & Control Specialists	Warehousing/storage	Exterior only
10860; Foothills	Seed Farm	Storage and farming	Yes
11502; Gateway	Best Management Construction (BMC)	Office and storage yard	One (of two) storage yards only
11405; Gateway	Vacant/ former labor camp	N/A	Yes
11911; Gateway	Pinnacle Farms	Office	Yes
11911; Gateway	Etchandy Farms	Office, warehousing of equipment and supplies	Yes
11911; Gateway	Pacific Coast Propane	Propane storage tank	Yes

A chronological summary of historical subject property information is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
Prior to 1938	Unknown use/Data failure; refer to Section 1.6.1	Historical topographic map
1938-1963	Undeveloped and agricultural land and possible residence/ agricultural buildings	Aerial photographs
1965	Addition of labor camp on the Gateway site	Aerial photographs
1972-1995	Agricultural land/greenhouses expand northeast and southwest on the Gateway area Development of South Coast Gun Club on Foothills area (present from 1973-1995)	Aerial photographs, city directories, agency records
2000-Present	No significant changes on Gateway (11405, 11502, 11911 Jeffrey Road) Orange County Produce LLC (2005-2021), Best Management Construction (2004-Present), El Modeno Gardens (1998-2010), Pinnacle Farms (Present), Etchandy Farms (Present), Pacific Coast Propane (2009-Present) Multiple small commercial buildings with storage yards replaced the former gun club on Foothills (10851, 11153, 11159, 11436, 11491, 11501 Jeffrey Road)/ Yale Engin4 Eering (2002), Griffith Company (2002-Present), Nakae & Associates (2000-Present), Paleo Environmental Associates (2002), Stice Company Inc (2000-Present), More Electrical Contracting Inc (2005), Ecological Restoration Solutions (2005-2014), Suchy Trenching Inc (2010-Present), Endrizzi Enterprises (2014), Jimni Systems Inc (2003-Present), Irvine Valencia Growers (2009-Present)	Aerial photographs, city directories, agency records, interviews, site observation

The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Northeast	Undeveloped land (no address identified) followed by Highway 24 followed by cleared/undeveloped land (no address identified)	None identified
Southeast	Bee Canyon Access Road followed by undeveloped land (no address identified)	None identified

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Southwest	Portola Parkway followed by single family residences (various)	None identified
Northwest	Jeffrey Road followed by an electrical substation (no address identified), graded vacant land, undeveloped land and orchards	None identified

FINDINGS AND OPINIONS

Significant Data Gap(s) is defined by the current ASTM Standard E1527 as a data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

AEI did not identify significant data gaps which affected our ability to identify RECs.

Recognized Environmental Condition (REC) is defined by the current ASTM Standard E1527 as the (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- The subject property (Foothills) is listed as an open SLIC case under the name Orange County Shooting and Training Center, Area Q at 1159 Jeffrey Road (Case #T10000017539). The Foothills section of the subject property was formerly occupied by Orange County Shooting & Training Center beginning in the early 1970s until its closure in 1995. The facility was divided into three primary ranges; a Rifle Range within West Hicks Canyon, a Skeet Range within East Hicks Canyon and Pistol Range immediately south of the former Skeet range.

  The former Rifle Range has been occupied by Griffith Construction and SoCal Sandbags since 2014. The area of the former Pistol Range has been occupied by Irvine Valencia Growers (IVG) since 2014. The former containment berms have been spread to form a flat pad on which the IVG maintenance yard and buildings are located. The area of the former Skeet Range and portions of the former Pistol Range were previously investigated between 1996 and 2003.

  In February 2003, soil samples were collected from the three mounds of dirt that form the shooting corridor and the impact zone of the Pistol Range. One sample was collected from each mound. The soil samples were analyzed for Total Lead. The results for Total Lead were as follows: 40,400 mg/kg at the impact mound and 10 mg/kg and 19.6 mg/kg at the side/corridor mounds. At the time of the investigation, acceptable concentrations for TTLC lead in soil in California was 1,000 mg/kg and the allowable STLC lead concentrations in soil was 5 mg/L. The sample from the impact mound exceeded the initial default screening process of 1,000 mg/kg and was therefore was considered "hazardous" by California regulations. It was recommended that approximately 2-feet of surface soil from the impact mound should be removed and properly disposed of off-site. In March 2003, confirmation sampling from the

impact mound was collected and analyzed. Results ranged from 21.5 mg/kg to 168 mg/kg, below the 1,000 mg/kg threshold. The excavation activities were considered to have significantly mitigated the lead concentrations.

In May 2013, soil sampling was conducted within the former Pistol and Rifle Ranges. 32 samples from 16 locations were collected from the former Rifle Range and 50 samples from 25 locations were collected at the former Pistol Ranges on a pre-determined grid bases. The soil samples were collected at depth of 0.5 feet and 2.0 feet bgs and analyzed for Total Lead.

The former Pistol Range is now developed with the IVG maintenance and farming yard. While collecting soil samples along the west flank of an adjoining hillside, a large volume of skeet pigeons were observed on surface soils suggesting that shotgun activity was also used in this area and was not solely confined to the skeet range to the north. The samples collected at the 0.5 feet depths exhibited consistent elevated detections of lead in the west half of the site within the drop-zone area. However, at the 2 foot depths, acceptable non-actionable concentrations were detected when compared with various regulatory standards. The soil samples collected from the eastern half exhibited acceptable lead concentrations at both 0.5 feet and 2 feet bgs.

Soil sampling results for the former Rifle Range indicated that the soil samples collected at 0.5 feet bgs in the drop-zone exhibited the higher concentrations and the samples collected at the 2 feet bgs generally exhibited the lower concentrations. Rifle projectiles were common in the firing line and another elevated sample point was described along the hillside northeast of the area currently in use and outside the current work area.

The 2013 lead concentrations were compared to the residential and commercial standards of the November 2011 EPA IX Regional Screening Levels (RSLs), the January 2005 California Human Health Screening Levels (CHHSLs), and the November 2007 Bay Area RWQCB Shallow Soil Environmental Screening Levels (ESLs). Following review of the lead concentrations to the various regulatory comparative standards, additional soil sampling was recommended in order to further delineate the vertical and lateral extent of lead impacted soils identified at the subject site. It was understood that the areas sampled and analyzed are slated to remain "open space" and will not be either residentially or commercially developed, negating the opportunity for dermal contact or ingestion by humans. A deed restriction was recommended to ensure that the soil will not be disturbed through a grading process.

In 2015, a Human and Ecological Risk Assessment was completed for the former Orange County Shooting and Training Center. This involves the assessment of the risks posed by the presence of substances released to the environment by man on all living organisms. A statistical analysis of soil lead data was conducted using the USEPA developed software. According to the report, The Irvine Company is planning on removing all structures from the subject property and restoring the site to its natural condition. Given that the site will be dedicated to open space and ecological reserve area, the site will not have permanent residents. The only potential receptors whom may come in contact with site-related chemicals are visitors hiking along walking trails that might cross the site in the future. The hypothetical recreational receptors/hikers were deemed to have the potential to come in contact with site-related chemicals

through the inhalation of ambient air and direct contact with soil. Exposure time and intensity for future recreational receptors walking through the site are expected to be very low to insignificant and thus are expected to have low intakes of site-related lead. Therefore, results of the risk evaluation indicated that exposure to lead in soil, at average concentrations, did not pose a health threat to recreational receptors. Additionally, the results of the risk evaluation indicated that exposures to lead in soil, at average concentrations, did not pose a health threat to ecological receptors either.

Based on the results of the Human and Ecological Risk Assessment evaluation, no further remediation was deemed necessary at the site as long as the future land remains open land. In the event that modifications were to be made to the site and those modifications attracted wildlife, the potential threat posed by the modifications should be properly evaluated in an Ecological Risk Assessment.

The SLIC case status is listed as "open - site assessment as of 12/2/2021", which represents a REC. Orange County and the Santa Ana RWQCB are listed as the cleanup oversight agencies. AEI recommends compliance with regulatory requirements until closure is achieved.

- Significant staining was observed on the gravel underneath the two 500 gallon fuel ASTs at SoCal Sandbags (Foothills) during AEI's on-site reconnaissance. The tanks were located within secondary containment units, however the staining extended approximately four feet past the base of the units. Based on the presence of the staining, AEI is unable to rule out the potential that release to the subsurface may have occurred in this area. The known presence of hazardous substances and/or petroleum products at the subject property due to a release represents a REC.

Controlled Recognized Environmental Condition (CREC) is defined by the current ASTM Standard E1527 as a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- AEI did not identify evidence of CRECs during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the current ASTM Standard E1527 as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- The subject property/Gateway area is listed as a closed SLIC Case under the facility name El Modeno Gardens at 11911 Jeffrey Road (Case #T10000017722). The Orange County LOP and the Santa Ana RWQCB are listed as the cleanup oversight agencies. The case was opened and closed on September 23, 2010. However, information reviewed from OCHCA records indicate that beginning in January 2010, soil sampling was completed throughout the site occupied by El Modeno Gardens. Locations included

the former UST locations, the surface water collection area at the southeast corner of the property, the water supply adjacent to the agricultural chemical storage container, the interior of the wood-constructed fertilizer storage shed, and the northern boundary of the site which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. Three additional locations consisted of general areas within the nursery. The samples from within the tank locations were analyzed for TPH-gasoline and diesel, VOCs and MTBE. The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides, arsenic and lead.
The Orange Co. Industrial Site listing indicated that the release chemicals were "DDT; CHLORDAN; TOXAPHENE". Documents reviewed from OCHCA records, confirmed the release of these specific chemicals during the initial sampling event. A series of step-out sampling was completed to evaluate the lateral limits of contamination. Boundaries for the impacted soil were defined and excavation of impacted soil was conducted. Confirmation soil sampling was completed. Results of the sampling exhibited concentrations from trace to non-detectable levels and were below the actionable limit of 0.46 mg/kg. A late decision was made to involve OCHCA in the closure process. Confirmation soil samples were again collected under the direction of OCHCA. Analytical results of the samples collected were below the actionable limits. In a letter dated September 22, 2010, the Orange County Health Care Agency confirmed the completion of remedial action for the El Modeno Gardens Nursery with no further action required. Based on the current closed regulatory status and information reviewed to date, this information is considered to be a Historical Recognized Environmental Condition.

- The subject property/Foothills area is listed as a closed SLIC Case under the facility name Orange County Shooting and Training Center (OCSTC) at 11501 Jeffrey Road (Case #T10000018310). However, this case has since been combined with Case #T10000017539. The Orange County LOP and the Santa Ana RWQCB are listed as the cleanup oversight agencies. In an effort to remediate lead contaminated soil, both the OCSTC and The Irvine Company were actively working on the site and stockpiling the lead-impacted soil within the same area beginning in 1996. In May 2000, the stockpiled lead-impacted soil was to be removed from the site. However, the original stockpile had been moved to the center of the recently created Nakae Yard and been mixed with miscellaneous construction debris. In June 2000, the impacted soil was separated from the construction debris and approximately 237.75 tons were hauled to an off-site facility. In 2002, sampling was conducted at 13 locations within the Nakae Yard to evaluate if lead-impacted soil remained onsite. Approximately 207 tons of additional lead-impacted soil was removed off-site for disposal. In a letter from the OCHCA dated January 3, 2003, the remediation of the Nakae Yard (Case #T10000018310) was completed with no further action required. Based on the fact that this case is closed, it is considered to be a Historical Recognized Environmental Condition.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the current ASTM Standard E1527. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property. A de minimis condition is defined by the ASTM Standard as a condition that

generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Based on a review of aerial photographs and interviews, the subject property/Gateway was historically used for agricultural purposes. There is potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site and that the subject property has been impacted by the use of such agricultural chemicals. AEI completed a Limited Subsurface Investigation at Gateway to evaluate if the near surface soil has been impacted by the historical agricultural use identified at the site. In April 2023, fourteen shallow soil composites and two (2) duplicate composite soil samples were collected and analyzed for OCPs and 14 discrete samples (including two [2] duplicates) were collected and analyzed for arsenic. The results are summarized as follows:
    - 4,4'-DDD, 4-4'-DDT, and endrin were detected at concentrations below their respective direct contact ESLs for residential, commercial, and construction worker exposure in the soil samples collected at the Site.
    - No other OCPs were detected in the soil samples collected and analyzed above their respective laboratory MDLs.
    - Arsenic was not detected at concentrations above the maximum background concentration of 11.0 mg/kg in the soil samples collected at the Site.

  Based on the results of this investigation, no mitigation is needed and no further assessment is warranted at this time.

- According to the site escort, Mr. Changala, the Griffith Construction site (Foothills) was previously a "V" shaped area prior to their tenancy. The area was filled by Griffith Construction to create a flat space and may have been filled with material from their stock of crushed concrete, however the source and nature of the fill materials is unknown. Further, no agency records were identified during the course of this investigation to indicate details of the fill activities. It is AEI's understanding that this area will be redeveloped as 'open space'. As such, no further action is warranted at this time. Nevertheless, in the event the subject property undergoes future development activities, AEI recommends proper soil characterization, as well as management and disposal if any contaminated soils are identified.
- The subject property is currently occupied with areas of old and unused equipment as well as concrete and pipe debris throughout Gateway and Foothills. No evidence of impact to the subject property associated with these materials was observed, such as surface staining, odors, stressed vegetation, or spillage of contents. Based on this information, the materials are not considered to represent evidence of a REC. It is AEIs understanding that the debris will be removed by the current tenants. However, if any debris is remaining, AEI recommends proper disposal of the items.
- A minor spill was noted around two petroleum drums at the Griffith Construction yard (Foothills). The spill measured approximately three square feet and occurred on gravel/bare dirt. Based on the relatively small size, it appears that the staining is

surficial in nature and thus is not expected to represent a significant environmental concern. However, the spill should be properly cleaned up and any contaminated soils should be properly removed and disposed of.

- According to the site contact, demolition of the subject property permanent buildings in Gateway is planned for the near future. Regardless of building construction date, the EPA's NESHAP requires that a thorough asbestos survey be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by federal, state and local regulatory agencies, and specifies that all suspect ACMs be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities which may disturb them to prevent potential exposure to workers, building occupants, and the environment.
- Due to the age of the subject property permanent buildings in Gateway, there is a potential that LBP is present. AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner consult with a certified Lead Risk Assessor to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition and worker/occupant protection. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-21, of 10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

As listed in the Findings section above, this assessment has revealed recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property.

RECOMMENDATIONS

AEI recommends the following:

- Compliance with regulatory requirements until closure is achieved for the open SLIC case in the Foothills area
- Subsurface Investigation and proper remediation of significant staining in Foothills area

1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California (Appendix A: Figures and Appendix B: Property Photographs).

1.1 Scope of Work

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with the most current ASTM E1527 Standard associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

1.2 Additional Services

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by the current ASTM Standard E1527. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

1.3 Significant Assumptions

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under the current ASTM Standard E1527.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. The current ASTM Standard E1527 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the current ASTM Standard E1527.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

1.5 Limiting Conditions/Deviations

The performance of this assessment was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this report. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- Due to the size of the subject property, AEI performed a reconnaissance of the property utilizing a field technique of traversing the site in an attempt to provide an overlapping field of view. Due to the size of the property and the vegetation present on site, isolated areas of the site may have not been accessible for direct observation during AEI's field reconnaissance.
- AEI observed a representative sample of interior units: see Tenant Information table in Section 2.1. In addition, AEI observed common and exterior areas of the property, including roadways, parking, and farming and vacant land areas.
- A search of historical city directories was not conducted for the adjoining sites. However, based on a review of other available historical sources, this limiting condition is not expected to alter the findings of this assessment.

1.6 Data Failure and Data Gaps

According to the current ASTM Standard E1527, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to the current ASTM Standard E1527, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to the current ASTM Standard E1527, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to the current ASTM Standard E1527, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

1.6.1 Data Failure

The following data failure was identified during the course of this assessment:

Data Failure	The earliest historical resource obtained during this assessment was an aerial photograph from 1938 indicating that the subject property was developed with a residence and agricultural land. The lack of historical sources for the subject property dating back to first developed use represents historical data source failure. However, as it is assumed that the subject property would have been previously used for residential/ agricultural purposes, if not undeveloped, this data failure is not expected to significantly alter the findings of this assessment.
Information/Sources Consulted	Aerial photographs, city directories, historical topographic maps, agency records

1.6.2 Significant Data Gaps

AEI did not identify significant data gaps which affected our ability to identify RECs.

1.7 Reliance

All reports, both verbal and written, are for the benefit of City of Irvine. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's contract and Terms and Conditions executed by City of Irvine on April 4, 2023. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 Site Location and Description

Property Information	
Site Address(es)	10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, Orange County, California 92602
Property ID (APN or Block/Lot)	A portion of 104-118-09, 104-118-10, 104-118-13, 104-118-97, 105-118-58, a portion of 104-118-59, a portion of 104-118-71/104-118-73/104-118-74, and 104-118-98
Location	Bound by Jeffrey Road to the northwest, Hwy 241 to the northeast, Bee Canyon Access Road to the southeast and Portola Parkway to the southwest
Property Type	Agriculture, vacant and light industrial
Site and Building Information	
Approximate Site Acreage/Source	Approximately 118; Gateway 80, Foothills 38/Client provided
Number of Buildings	Three permanent buildings (Gateway) and multiple portable/temporary buildings (Gateway and Foothills)
Building Construction Date(s)/Source	circa 1965/Historical Aerial Research
Building Square Footage (SF)/Source	Unknown
Number of Floors/Stories	One
Basement or Subgrade Area(s)	None identified
Number of Units	13
Additional Improvements	Portable/temporary buildings, storage yards, agricultural fields and unpaved roads
On-site Occupant(s)	See Table Below. The subject property has been defined by two areas: Foothills and Gateway
Current On-site Operations/Use	Farming, construction equipment storage yards, equipment maintenance and associated administrative activities
Current Use of Hazardous Substances	Yes; refer to Section 7.1
Regulatory Information	
Regulatory Database Listing(s)	AST, CERS TANKS (x2), FINDS (x4), ECHO (x4), CERS HAZ WASTE (x5), CERS (x6), HAZNET (x7), HWTS (x8), PEST LIC, ORANGE CO INDUSTRIAL SITE (x2), SLIC (x3), CA FID UST, CIWQS

Tenant Information

Subject Property Address/Unit	Tenant	Use	Accessed
Not Listed; Foothills	SoCal Sandbags	Storage yard	Yes
11501; Foothills	Griffith Construction	Crushing and recycling concrete	Yes
11501; Foothills	Irvine Valencia Growers (IVG)	Office, storage yard and mechanical shop	Yes
10851; Foothills	Stice Construction	Office and equipment storage yards	Yes
11159; Foothills	Nakae & Associates	Office and equipment storage yard	Yes
11501; Foothills	Suchy Trenching	Warehousing/storage	Exterior only
11161 (11153); Foothills	Jimni Systems, Pump & Control Specialists	Warehousing/storage	Exterior only
10860; Foothills	Seed Farm	Storage and farming	Yes

Subject Property Address/Unit	Tenant	Use	Accessed
11502; Gateway	Best Management Construction (BMC)	Office and storage yard	One (of two) storage yards only
11405; Gateway	Vacant/ former labor camp	N/A	Yes
11911; Gateway	Pinnacle Farms	Office	Yes
11911; Gateway	Etchandy Farms	Office, warehousing of equipment and supplies	Yes
11911; Gateway	Pacific Coast Propane	Propane storage tank	Yes

2.2 On-Site Utilities

Utility	Source/System Information
Heating System	Electricity, Southern California Edison
Cooling System	Electricity, Southern California Edison
Potable Water	Metropolitan Water District (MWD)
Sewage Disposal/Treatment	Septic systems are in place at three permanent buildings as well as portable/temporary office buildings

Utility source/system information listed in the table above was obtained during the site visit and through online resources.

2.3 Site and Vicinity Characteristics

The subject property is located in a mixed residential and undeveloped area of Irvine, California. The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
Northeast	Undeveloped land (no address identified) followed by Highway 24 followed by cleared/undeveloped land (no address identified)	None identified
Southeast	Bee Canyon Access Road followed by undeveloped land (no address identified)	None identified
Southwest	Portola Parkway followed by single family residences (various)	None identified
Northwest	Jeffrey Road followed by an electrical substation (no address identified), graded vacant land, undeveloped land and orchards	None identified

2.4 Physical Setting

Geologic Unit: Description/Source	$O_G C$: nonmarine (continental) sedimentary rocks. Sandstone, shale, and conglomerate; mostly well consolidated/USGS and United States Department of the Interior
Soil Series: Description/Source	131: Botella loam, 2 to 9 percent slopes, warm MAAT, lower MAP, MLRA 19. Loam; 0 to 8 inches, silty clay loam; 8 to 35 inches, clay loam; 35 to 6 inches./USDA Soil Survey 203: Soper cobbly loam, 15 to 50 percent slopes. Cobbly loam; 0 to 9 inches, cobbly clay loam; 9 to 30 inches, weathered bed rock; 30 to 59 inches./USDA Soil Survey 163: Metz loamy sand. Loamy sand; 0 to 17 inches, stratified sand to fine sandy loam; 17 to 63 inches./USDA Soil Survey

	136: Capistrano sandy loam, 9 to 15 percent slopes. Sandy loam; 0 to 27 inches, fine sandy loam; 27 to 65 inches./USDA Soil Survey 194: San Emigdio fine sandy loam, 0 to 2 percent slopes. Fine sandy loam; 0 to 7 inches, stratified gravelly loamy coarse sand to fine sandy loam, 7 to 61 inches./USDA Soil Survey 206: Sorrento loam, 0 to 2 percent slopes, warm MAAT, MLRA 19. Loam; 0 to 12 inches, silty clay loam; 12 to 62 inches, sandy loam; 62 to 72 inches./USDA Soil Survey
Groundwater Flow Direction/Source	Southwest/Topographic map interpretation
Estimated Depth to Groundwater/Source	64-82 feet bgs/ Previous subsurface investigation conducted on a nearby property (4760 Irvine Boulevard) obtained from the State Water Resources Control Board's (SWRCB) Geo Tracker website
Surface waters on the subject property or adjoining sites	None

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

3.0 HISTORICAL RECORDS REVIEW

Reasonably ascertainable standard historical sources as outlined in the current ASTM Standard E1527 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
Prior to 1938	Unknown use/Data failure; refer to Section 1.6.1	Historical topographic map
1938-1963	Undeveloped and agricultural land and possible residence/ agricultural buildings	Aerial photographs
1965	Addition of labor camp on the Gateway site	Aerial photographs
1972-1995	Agricultural land/greenhouses expand northeast and southwest on the Gateway area Development of South Coast Gun Club on Foothills area (present from 1973-1995)	Aerial photographs, city directories, agency records
2000-Present	No significant changes on Gateway (11405, 11502, 11911 Jeffrey Road) Orange County Produce LLC (2005-2021), Best Management Construction (2004-Present), El Modeno Gardens (1998-2010), Pinnacle Farms (Present), Etchandy Farms (Present), Pacific Coast Propane (2009-Present) Multiple small commercial buildings with storage yards replaced the former gun club on Foothills (10851, 11153, 11159, 11436, 11491, 11501 Jeffrey Road)/ Yale Engin4 Eering (2002), Griffith Company (2002-Present), Nakae & Associates (2000-Present), Paleo Environmental Associates (2002), Stice Company Inc (2000-Present), More Electrical Contracting Inc (2005), Ecological Restoration Solutions (2005-2014), Suchy Trenching Inc (2010-Present), Endrizzi Enterprises (2014), Jimni Systems Inc (2003-Present), Irvine Valencia Growers (2009-Present)	Aerial photographs, city directories, agency records, interviews, site observation

Based on historical sources, the subject property/Gateway area was undeveloped and agricultural land with a possible residence/agricultural structure in 1938. By 1946, the site was used as agricultural land which continued to expand to the northeast and included the addition of a labor camp in 1965. The subject property/Gateway area has been used agriculturally since that time.

Based on historical sources, the subject property/Foothills area was undeveloped land in 1938. By 1973, the site was being developed for the Orange County Shooting & Training Center/ Orange County Gun Club which occupied that area until its closure in 1995. The facility was divided into three primary ranges; a Rifle Range within West Hicks Canyon, a Skeet Range within East Hicks Canyon and Pistol Range immediately south of the former Skeet range. The former Rifle Range is now occupied by Griffith Construction and SoCal Sandbags. The area of the former Pistol Range is now occupied by Irvine Valencia Growers (IVG). The former containment berms have been spread to form a flat pad on which the IVG maintenance yard and buildings are located. The area of the former Skeet Range is now occupied by the Nakae & Associates storage yard. The former gun club is further discussed in Sections 4.1, 4.3, 4.6 and 5.1.

Based on a review of aerial photographs and interviews, the subject property/Gateway area was historically used for agricultural purposes. There is potential that agricultural chemicals, such as pesticides, herbicides and fertilizers, were used on site, and that the subject property has been impacted by the use of such agricultural chemicals. AEI completed a Limited Subsurface Investigation at Gateway area to evaluate if the near surface soil has been impacted by the historical agricultural use identified at the Site. In April 2023, fourteen shallow soil composites and two (2) duplicate composite soil samples were collected and analyzed for OCPs and 14 discrete samples (including two [2] duplicates) were collected and analyzed for arsenic. The results are summarized as follows:

- 4,4'-DDD, 4-4'-DDT, and endrin were detected at concentrations below their respective direct contact ESLs for residential, commercial, and construction worker exposure in the soil samples collected at the Site.
- No other OCPs were detected in the soil samples collected and analyzed above their respective laboratory MDLs.
- Arsenic was not detected at concentrations above the maximum background concentration of 11.0 mg/kg in the soil samples collected at the Site.

Based on the results of this investigation, no mitigation is needed and no further assessment is warranted at this time.

If available, copies of historical sources are provided in Appendix D.

3.1 Aerial Photographs

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the EDR collection of aerial photographs. Aerial photographs were reviewed for the following years (1938-2020, non-inclusive):

Year(s)	Subject Property Description	Adjoining Site Descriptions
1938	Undeveloped and agricultural land and possible residence/agricultural buildings	NORTHEAST: Undeveloped/agricultural land SOUTHEAST: Undeveloped/agricultural land SOUTHWEST: Undeveloped/agricultural land NORTHWEST: Undeveloped/agricultural land
1946, 1952	No significant changes except for the addition of agricultural structures on the northern portion	NORTHEAST: No significant changes SOUTHEAST: Addition of agricultural structures SOUTHWEST: No significant changes NORTHWEST: No significant changes
1963	No significant changes except for the addition of an unpaved road traversing through the northeast portion of the subject property	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: No significant changes NORTHWEST: No significant changes
1967	No significant changes except for the addition of a building complex with three rectangular buildings in the approximate center of the subject property	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: No significant changes NORTHWEST: No significant changes
1972	No significant changes except for the addition of greenhouses/nursery areas in the central portion and graded area in the northeast portion	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: No significant changes NORTHWEST: No significant changes

Year(s)	Subject Property Description	Adjoining Site Descriptions
1989	Addition of greenhouses on the southwestern portion, agricultural land (orchards) towards the northeast portion and shooting range in the northeastern most portion	NORTHEAST: No significant changes SOUTHEAST: Roadway followed by agricultural land SOUTHWEST: Agricultural land NORTHWEST: Roadway followed by agricultural land and undeveloped land
1994	No significant changes	NORTHEAST: No significant changes SOUTHEAST: Roadway followed by agricultural and vacant land SOUTHWEST: Roadway followed by cleared land NORTHWEST: No significant changes
2002, 2005	No significant changes except for the removal of the shooting range, replaced by of small buildings and construction activities	NORTHEAST: Cleared land and highway followed by cleared land SOUTHEAST: No significant changes SOUTHWEST: Roadway followed by agricultural land NORTHWEST: No significant changes
2009	No significant changes except for a small portion of agricultural land is now vacant land	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: Roadway followed by vacant land NORTHWEST: No significant changes
2012	No significant changes	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: Roadway followed by agricultural land and graded vacant land NORTHWEST: No significant changes except for the addition of an electrical substation
2016	Agricultural land with small buildings throughout. Cluster of small buildings and storage/equipment yards in the northeast portion of the subject property	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: Roadway followed by development of a residential community NORTHWEST: No significant changes
2020	No significant changes	NORTHEAST: No significant changes SOUTHEAST: No significant changes SOUTHWEST: Roadway followed by the current residences NORTHWEST: No significant changes

Subject property:

- Agricultural land - Refer to Section 3.0

Adjoining Site(s):

- No potential environmental concerns identified

3.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

Sanborn map coverage was not available for the subject property.

3.3 City Directories

A search of historical city directories was conducted for the subject property utilizing EDR. Directories were reviewed in approximate five-year increments from 1920-2020, non-inclusive. The first listing for the subject property appeared in 1970. The following table summarizes the results of the city directory search.

Subject Property

Year(s)	Address - Occupant Listed
1970	11405 Jeffrey Road - Citrus Growers LFC 11436 Jeffrey Road - Western Marketing Co
1975	11405 Jeffrey Road - California Labor Camp 11501 Jeffrey Road - **South Coast Gun Club Inc**
1980	11405 Jeffrey Road - California Labor Camp 11501 Jeffrey Road - **South Coast Gun Club Inc**
1986	11405 Jeffrey Road - California Labor Camp, Landeros Audelio 11501 Jeffrey Road - **South Coast Gun Club Inc**
1991	11405 Jeffrey Road - California Labor Camp 11501 Jeffrey Road - **South Coast Gun Club Inc**
1992	11405 Jeffrey Road - Ca Labor Camp 11501 Jeffrey Road - **Orange Co Shooting, South Cst Gun Club**
1995	11405 Jeffrey Road - California Labor Camp 11501 Jeffrey Road - **South Coast Gun Club Inc**
2002	11405 Jeffrey Road - California Labor 11491 Jeffrey Road - Yale Engin 4 Eering 11501 Jeffrey Road - Griffith Company, Nakae & Associates, Paleo Environmental Associates
2005	10851 Jeffrey Road - Stice Company Inc 11159 Jeffrey Road - Nakae & Assoc Inc, Ecological Restoration Solutions Inc 11405 Jeffrey Road - Orange County Produce LLC 11501 Jeffrey Road - More Electrical Contracting Inc, Griffith
2010	10851 Jeffrey Road - Stice Company Inc 11159 Jeffrey Road - Nakae & Assoc Inc 11405 Jeffrey Road - Orange County Produce 11501 Jeffrey Road - Griffith Co, Ecological Restoration Sltns, Suchy Trenching Inc
2014	10851 Jeffrey Road - Stice Company Inc, Endrizzi Enterprises 11405 Jeffrey Road - Orange County Produce 11501 Jeffrey Road - Nakae & Associates Inc, Suchy Tranching Inc, Griffith Company, Ecological Restoration Solutions

If listed above, XXXX indicates that the address is valid but there is no occupancy information available.

A search of historical city directories was also conducted for the adjoining sites noted below utilizing EDR.

Adjoining Site Addresses

Direction	Address(es)
Northeast	No address (undeveloped/vacant land)
Southeast	No address (undeveloped/vacant land)
Southwest	Filbert, Woodhill, Hearst, Stanza, Ovation, Rossmore and Hazelton
Northwest	No address (undeveloped/vacant land)

City directory coverage was not obtained for the adjoining sites, refer to Section 1.5.

Subject property:

- Historical gun club/shooting range - Refer to Sections 3.0 and 5.1.

Adjoining Site(s):

- No potential environmental concerns identified

3.4 Historical Topographic Maps

In an attempt to close any data failure, AEI reviewed historical topographic maps utilizing NETR Online (www.historicaerials.com). Historical topographic maps were reviewed for the years 1935-2018, non-inclusive. No additional historical information was obtained from available topographic maps.

3.5 Chain of Title

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1 LOCAL ENVIRONMENTAL HEALTH DEPARTMENT AND/OR STATE ENVIRONMENTAL AGENCY

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Orange County Health Care Agency (OCHCA)	April 7, 2023	Online	Ms. Suzanne Ambriz	Records discussed below

Records Summary

Date	Occupant	Document Type	Document Notes/Violations
2015	Suchy Trenching/ Foothills area (11501)	Inspection	No violations noted
2016	Best Management Construction Inc/ Gateway area	Inspection	Violation; failure to properly close all hazardous waste containers
2016	Stice Company Inc/ Foothills area (10851)	Inspection	Violation; used oil filters have not been picked up within last year.
2018	Nakae & Associates Inc/ Foothills area (11159)	Inspection	Violation; waste oil container open while not in use, labels missing on waste containers. Corrected at time of inspection
2018	Suchy Trenching/ Foothills area (11501)	Inspection	Violation; has not updated Haz Mat Inventory page, annual training not documented/available for review
2018	Irvine Valencia Growers/ Foothills area (11501)	Inspection	Violation; waste stored onsite longer than 180 days. Corrected
2019	Pacific Coast Propane/ Gateway area (11911)	Inspection	Violation; failure to submit site map with all required content, provide training & records. Corrected
2019	Orange County Produce LLC/Gateway area (11405)	Inspection	Violation; failure to label all hazardous waste containers, failure to properly close all hazardous waste containers, failure to properly manage empty containers, failure to establish business plan. Corrected
2021	Best Management Construction Inc/ Gateway area (11502)	Inspection	No violations noted
2021	Orange County Produce LLC/Gateway area (11405)	Inspection	Violation; failure to dispose of hazardous waste with 180 days of accumulation, failure to review/ submit business plan. Corrected
2021	Suchy Trenching/ Foothills area (11501)	Inspection	No violations noted

Date	Occupant	Document Type	Document Notes/Violations
2021	Stice Company Inc/ Foothills area (10851)	Inspection	Violation; failure to submit complete and accurate hazardous material inventory forms for all reportable materials.
2021	Nakae & Associates Inc/ Foothills area (11159)	Inspection	Violation; update SPCC plan with hydraulic oil. Corrected
2022	Pacific Coast Propane/ Gateway area (11911)	Inspection	No violations noted
2022	Stice Company Inc/ Foothills area (10851)	Inspection	Violation; Add propane to inventory in CERS and resubmit.

Summary of Gateway area review of files:

CERS submittals for various Gateway area tenants: Orange County Produce LLC (11405), JBR Engineering Inc (11502), Pacific Coast Propane LLC (11911).

El Modeno Gardens; The southern half of the El Modena Gardens property has been used for cultivation of nursery annuals and perennials (generally 1-gallon size) since 1967 and the northern half of the property was converted from permanent plantings of citrus to nursery production during the 1990s. The central and southern thirds of the property are improved with greenhouses and protective netting; the northern third is open air and covered production.

On January 26, 2010, surface (0.5' bgs) and subsurface (2 .5', 10', 15', and 20' bgs) soil samples from nine locations throughout the property. Locations consisted of the former gasoline tank emplacement (TH-G-1); former diesel tank emplacement (TH-D-2); the surface water collection area at the southeast corner of the property (TH-3); the water supply adjacent to the agricultural chemical storage container (TH-4); the interior of the wood-constructed fertilizer storage shed (TH-5); and the northern boundary of the site (TH-9) which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. The TH-6, TH-7, and TH-8 locations consisted of general areas within the nursery.

The initial sampling occurred in the area of the former 1,000-gallon gasoline UST and 6,000- gallon diesel UST. These tanks were removed in September 1998, by Advanced Environmental Concepts Inc (AEC), and the sampling beneath the USTs generally indicated non-detectable concentrations for the requested analyte. However, The Irvine Company requested that additional soil sampling be conducted to confirm the prior results. Since the former tank bottoms approximated 10-feet bgs, AEC commenced sample collection at that depth and continued to 20-feet bgs. Samples were analyzed for TPH-gasoline and diesel, VOCs and MTBE. The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides, arsenic and lead.

The sampling results for the former gasoline and diesel tank emplacements indicate that no residual hydrocarbon concentrations are evident which validate the prior sample collection of September 1998. However, the limited soil sampling indicated one soil sample exhibiting significant concentrations of the chlorinated pesticides, 4,4-DDT and Toxaphene (TH-5-0.5'), and one minor detection of Toxaphene (TH-7-0.5') that trigger a greater than one-in-a-million cancer risk compared to Residential Preliminary Remediation Goals. Based on these findings, step-out sampling was recommended in these areas of concern. A series of step-out sampling was completed in February 2010 to evaluate the lateral limits of contamination of chlorinated pesticides. Based on the step-out sampling, impacted soil boundaries were defined and excavation of impacted soil was recommended. In May 2010, excavation of impacted soils

were conducted in the areas of concern to a depth of approximately 1-foot. Confirmation soil samples were collected and analyzed. Results of the sampling exhibited concentrations from trace to non-detectable and were below the actionable limit of 0.46 mg/kg. A late decision was made to involve Orange County Health Care Agency (OCHCA) in the closure process. Confirmation soil samples were again collected under the direction of OCHCA. Analytical results of the samples collected were below the actionable limits. AEC recommended no further removal required.

In July 2010, the abandonment of five dry well out-of-service septic pits discovered at the former El Modeno Nursery was completed. Soil samples were collected at the floor of each dry well and then at depths of 5 feet, 10 feet and 15 feet bgs. The initial soil sample and 5 foot soil sample were analyzed for TPH-carbon chain, VOCs SVOCs and Title 22 Metals. No TPH-cc, VOC's, SVOC's, or Title 22 metals were detected that exceeded applicable residential Preliminary Remediation Goals (PRG's), or California Human Health Screening Levels (CHHSL's) in 2010. Based on the analytical results for the soil samples collected AEC considered the five dry wells to be "clean" and recommended that the annular space filled with a 1-sack cement slurry to 4-feet bgs. The spaced was filled following confirmation to proceed.

In a letter dated September 22, 2010, the Orange County Health Care Agency confirmed the completion of remedial action for the El Modeno Gardens Nursery with no further action required.

Summary of Foothills area review of files:

CERS submittals for various Foothills area tenants: Suchy Trenching (11501), Stice Company Inc (10851), Nakae & Associates Inc (11159) and Irvine Valencia Growers (11501).

The installation of a 5,000-gallon gasoline UST in May 2003 was associated with the Irvine Valencia Growers (11501). Tests completed at time of installation passed. According to the OCHCA Service Request Form, the tank was removed May 13, 2009. No additional information was available. According to records on GeoTracker, soil sampling was completed as part of the removal activities. Analysis of soil samples collected, indicated non-detect concentrations of TPH-g, benzene, toluene, etheyl benzene, total xylenes and MTBE. Based on the results, the OCHCA in August 2009, confirmed the completion of the tank removal project and that no significant soil contamination had occurred. Based on the short period of time the UST was in use and non-detect analytical results from sampling during closure activities, the former presence of this UST is not considered an environmental concern.

Cessation of Orange County Shooting and Training Center (OCSTC) range activities occurred in December 1995 due to the development of the retarding basin and the transportation corridor. Subsequently, at the request of OCSTC, Environmental Contractors Inc (ECO) prepared a proposal to recover the spent projectiles i.e., resource recovery activities. This proposal was formulated into a work plan, dated March 26, 1996. ECO was requested to prepare a proposal to perform resource recovery activities in an attempt to mitigate the "worst case affected areas".

The purpose of ECO resource recovery activities was to identify the major impact zones (MIZ) of the rifle and pistol ranges and recover the spent projectiles, comprised mainly of lead, from these zones. Given the limited financial reserves of OCSTC, resource recovery appeared to be a viable method for the organization to perform a best faith effort to mitigate the site. Once excavation was underway, it was discovered that in some areas of the MIZ' s,

previous site work, by others, to repair erosion damage had buried quantifiable amounts of projectiles to depths up to 10 feet bgs. While test firing into the 200 meter abutment indicated a maximum penetration of 2.5 feet, beyond this, projectiles were found and excavation was required to proceed to over six feet in depth. At this point the original excavation plan was abandoned and excavation proceeded on a visual basis. To ensure complete removal of the lead shot from the Eastern Transportation Corridor (ETC) Right-of-Way, ECO excavated the entire area including brush piles and soil stockpiles from ETC clearing operations to a depth 2 feet below existing ground surface.

After determining the extent of lead-impacted soil in proposed areas of the retarding basin/ right-of-way (mainly, the skeet range area), the owner's consultant, Advanced Environmental Concepts, Inc. (AEC), proceeded to remove impacted material during March and April 1996 under agency oversight. Confirmatory soil samples from the floor of each excavation indicated non-detectable to trace levels of all constituents analyzed. The approximately 1,210 cubic yards of excavated soil was stockpiled on the eastern flank of the hill west of the (East Hicks) canyon for future disposal. During AEC's excavation activities in March and mid-April 1996, Environmental Contractors Inc. (ECO) was also excavating and stockpiling lead pellet-contaminated soil from the major impact zones of the former shooting range, under contract with OCSTC, for the recovery ('mining') of lead/other metals. AEC demobilized its equipment and vacated the property in late April 1996 while ECO was still completing its excavation activities.

On July 19, 1996, AEC collected five confirmation soil samples from the area previously excavated by ECO. Three samples were collected from the former silting basin and two soil samples were collected from the Right-of-Way area. The soil samples were collected at approximate depths of 6 inches below existing grade. All confirmation soil samples recorded concentrations below the target threshold concentration of 130 ppm established by the State of California Environmental Protection Agency.

After determining the extent of lead-impacted soil in proposed locations of the retarding basin/right-of-way, the owner's consultant, Advanced Environmental Concepts, Inc. (AEC), proceeded to remove impacted material during March and April 1996 under agency oversight. Confirmation sampling in the excavated areas showed that all lead-impacted soil had been removed from the target areas. The approximately 1,210 cubic yards of excavated soil was stockpiled on the eastern flank of the hill west of the (East Hicks) canyon for future disposal. On May 28, 1996, OCHCA issued a letter to the Irvine Company certifying to the completion of remedial excavation of the retarding basin and right-of-way areas but noted that case closure would be granted only upon proper disposal of the stockpiled impacted soil.

In May 2002, AEC returned to the site to address the stockpile left in April 1996. AEC observed that the stockpile was no longer where it used to be. AEC postulated that the original impacted soil it had stockpiled was also 'mined' by ECO. AEC believed that the mined out' spoils dumped with other construction debris in the Nakae yard would likely be the remainder of the original stockpile. Large debris was segregated from the soil that noticeably still contained lead shots. AEC then re-excavated the soil, transporting 238 tons offsite. In February 2002, AEC submitted a work plan to assessing the entire Nakae Landscaping yard for any remaining lead-contaminated soil. Upon Agency approval, thirteen soil sample locations were collected on a pre-determined grid basis at depths of 0.5' and 5' bgs, for a total of 26 samples. The soil samples were analyzed for lead. The results of the sampling indicated elevated concentrations of lead in areas slated for future development therefore, a decision was made to excavate the lead impacted soil. Three of the sampling locations exceeded reporting levels

and were further excavated to a depth of 5-feet bgs. Confirmation soil samples were collected from the four sidewalls and floor of each excavation. The analytical results for seven of the sidewall samples indicated the need for further excavation and sampling. On April 16, 2002 AEC again excavated additional soil from lead impacted area and the widened excavation was sampled for lead. May 7 2002, additional lead impacted soil was excavated and stockpiled. On October 2, 2002, a request was made for closure. In a letter dated January 2, 2003, OCHCA confirmed the completion of remedial action of Case #96IC013 at the vacant/retarding basin, current/Nakae Storage yard with no further action required.

The OCHCA case was reopened in February 2013, when a Soil Assessment Work Plan was submitted for the former pistol and rifle ranges for possible lead impacted soils under OCHCA Case #131C006 and approved June 2014. The area is currently occupied by SoCal Sandbags, Griffith Construction and IVG Lease Areas/ "Area Q".

The work plan indicated that soil samples would be collected from an estimated 15 locations at the former rifle range and an estimated 25 locations at the former pistol range on a pre-determined grid basis. The soil samples were collected at a depth of 0.5' and 2.0' bgs and analyzed for Total Lead. Based on the analytical results, three locations were identified as areas in need of additional excavation and sampling. In May 2014, step-out soil samples at the three previously identified locations at the former rifle range and pistol range where total lead concentrations exceeded the industrial RSL of 800 m /kg were collected. Samples were collected at depths of 0.5' to 2.0' which corresponded to the depth of the previously identified elevated lead concentration. Additional samples were to be collected at 3- and 5-feet bgs to define the vertical extent of the lead contamination.

In a May 2014 correspondence, AEC stated they would be moving forward with a Health Risk Assessment by Dr. Heriberto Robles for the sampling areas in order to address both the Human and Ecological risks for the area. The area is intended to be open space, therefore, the primary risk is an ecological one and this report will specifically address that. The HSA will be based on the identified total lead concentrations from the prior sampling event. In the case activity log, a note dated November 7, 2016, a phone message was left regarding site status. Irvine Company indicated that they are not ready to continue yet.

Refer to Sections 3.0 and 5.1 for additional information related to the gun club.

4.2 Fire Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Orange County Fire Authority (OCFA)	April 7, 2023	Email	Ms. Iris Vincent	Records discussed below

Records Summary

Date	Occupant	Document Type	Document Notes/Violations
2013	Orco Produce/Gateway area (11405)	Routine inspection	No violations found, No chemicals found. Permit for welding cart flammable gas.
2021	Pacific Coast Propane/ Gateway area (11911)	Routine inspection	Permit for liquefied petroleum gas. Chemical; propane. One violation

Date	Occupant	Document Type	Document Notes/Violations
2021	Pinnacle Farms/ Gateway area (11911)	Routine inspection	Permit for flammable combustible liquids and hazardous materials. No violations noted.

Review of information on file for the subject property at the OCFA did not reveal any significant environmental concerns.

4.3 Building Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Irvine Building Department (IBD)	April 7, 2023	Online	N/A	Records discussed below

Records Summary

Year(s)	Owner/Applicant	Description of Permit and Building Use
1965	Irvine Company	Relocate barracks, Certificate of Occupancy for barracks of Irvine Labor Camp (11405/Gateway area)
1965	Santiago Growers Assoc	Alterations to existing building, new toilet and shower building, Certificate of Occupancy (11405/ Gateway area)
1973	El Modena Gardens	Temporary shelter, wholesale nursery (11911/ Gateway area)
1973-1976	The Irvine Ranch/South Coast Gun Club	New masonry restrooms for gun club, new masonry skeet houses, new trap houses, sunshade structure, plumbing, electrical, Certificate of Occupancy for existing gun club (11501/Foothills area)
1974	Irvine Labor Camp	Plumbing, permit notes say "3 septic tank, 2 leach field"(11405/Gateway area)
1976	The Irvine Company	Irrigation booster pump (11911/Gateway area), electric gate (11502/Gateway area)
1986	Irvine Company/ So Coast Gun Club	New storage building, foundation and trap house as accessories to gun club, electrical(11501/ Foothills area)
2008	El Modeno Gardens	Above ground storage tank for Pacific Coast Tradewinds/Propane (11911/Gateway area)
2011	El Modeno Gardens/ Pacific Coast Propane	Re-locate 20,000-gallon above ground propane tank (11911/Gateway area)

Environmental concerns associated with the former gun club and agricultural uses of the subject property are further discussed in Sections 3.0, 4.1 and 5.1.

4.4 Planning Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Orange County Health Care Agency (OCHCA)	April 7, 2023	Online	Ms. Suzanne Ambriz	No evidence indicating the existence of AULs on file for the subject property

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Irvine Planning Department (IPD)	April 7, 2023	Online	N/A	No evidence indicating the existence of AULs on file for the subject property

4.5 Assessor's Office

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Orange County Assessor's Office	April 7, 2023	Online	N/A	Information obtained is discussed below

Records Summary

APN	A portion of 104-118-09, 104-118-10, 104-118-13, 104-118-97, 105-118-58, a portion of 104-118-59, a portion of 104-118-71/104-118-73/104-118-74, and 104-118-98
Acreage	Approximately 118; Gateway 80, Foothills 38 acres
Construction Date	Not provided
Building Square Footage	Not provided
Current Owner	Not provided

4.6 Other Agencies Searched

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
CA State Water Resources Control Board (SWRCB) GeoTracker	April 7, 2023	Online	N/A	Records discussed below
SWRCB GeoTracker Historical Hazardous Substance Storage Information	April 7, 2023	Online	N/A	Records discussed in Section 5.1.
CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)	April 7, 2023	Online	N/A	Records discussed below
CA DTSC EnviroStor	April 7, 2023	Online	N/A	No records on file
South Coast Air Quality Management District (SCAQMD)	April 7, 2023	Online	N/A	Records discussed below

SWRCB GeoTracker Database Summary

Date	Occupant	Document Type	Document Notes/ Violations
2003	Orange County Shooting & Training Center (11501/Foothills area)	Cleanup site	Case closed
2010	El Modeno Gardens (11911/Gateway area)	Cleanup site	Case closed
2021	Orange County Shooting and Training Center, Area Q (Foothills area)	Cleanup site	Case open

Refer to Section 5.1 for additional information.

California DTSC HWTS Database Summary

Occupant	Year(s)	Hazardous Waste Generated	Amount (Tons)
El Modeno Gardens (11911/Gateway area)	1998	Tank bottom waste	0.62552
Griffith Co Inc (11501/Foothills area)	2002	None listed	N/A
State Wide Labor Corp DBA Cali Labor Cmp (11405/Gateway area)	2003	Other organic solids	1.2
Jimni Systems Inc (11153/Foothills area)	2003	None listed	N/A
Best Management Construction Inc (11502 1/2/Gateway area)	2004-2022	Aqueous solution with organic residues, hydrocarbon solvents, waste oil and mixed oil, unspecified oil-containing waste, unspecified organic liquid mixture pesticides/pesticide production waste, latex waste, off-spec aged or surplus organics, other organic solids, paint sludge	10
Stice Company Inc (10851/Foothills area)	2004-2022	Aqueous solution with organic residues, hydrocarbon solvents, waste oil and mixed oil, unspecified oil-containing waste, unspecified organic liquid, other organic solids, ignitables, **halogenated solvents (0.988 tons in 2006)**	159.77582
Orange County Produce LLC (11405/Gateway area)	2005-2021	Waste oil and mixed oil, latex waste, other organic solids	7.335
Nakae & Associates Inc (11159/Foothills area)	2006, 2010	Aqueous Solutions with organic residues, waste oil and mixed oil	1.067
Jimni Systems Inc (11161/Foothills area)	2007-2013	Aqueous solution with organic residues, waste oil and mixed oil, oil/water separation sludge	5.4569
Irvine Valencia Growers (11501/Foothills area)	2009	Tank bottom waste	0.41701
El Modeno Gardens (11911/Gateway area)	2010	None listed	N/A
Irvine Valencia Growers (11501/Foothills area)	2018, 2019	Other organic solids	0.1075
Site Solution Services (11501/Foothills area)	2020	None listed	N/A
Stice Company (10851/Foothills area)	2021	Unspecified oil-containing waste	1.16764
Suchy Trenching Inc (11501/Foothills area)	2022	None listed	N/A
Pinnacle Farms LLC (11911/Gateway area)	2022	None listed	N/A

Refer to Section 5.1 for additional information.

SCAQMD Database Summary

Date	Occupant	Document Type	Document Notes/Violations

1999	El Modeno Gardens Inc (11911/Gateway area)	Violation	Installing and operating a gasoline AST facility without a valid permit. Case closed.
2001	El Modeno Gardens Inc (11911/Gateway area)	Violation	Failure to provide monthly gasoline uses and copies of the static pressure and dynamic pressure test results. Re-inspection; in compliance.
2006	El Modeno Gardens Inc (11911/Gateway are)	Violation	Resubmit app for gasoline equipment, replace cracked hose and add gasket to vapor tight cap. Under review.
2008	El Modeno Gardens Inc (11911/Gateway area)	Violation	Resubmit app for gasoline equipment, replace cracked hose and add gasket to vapor tight cap. Re-inspection; in compliance.
2008	El Modeno Gardens Inc (11911/Gateway area)	Violation	Provide records for annual vapor reverification testing. Re-inspection; in compliance.
2008	El Modeno Gardens Inc (11911/Gateway area)	Permit to Operate	Granted; one 500-gallon AST, gasoline nozzle
2009	Pacific Coast Propane (11911/Gateway area)	Violation	Equipment operating without a permit; application rejected. Out of business.
2010	Color Spot Nurseries (11911/Gateway area)	Permit to Operate	Granted; one 500-gallon AST, gasoline nozzle
2010	El Modeno Gardens Inc (11911/Gateway area)	Violation	Replace gasket on valve cover and apply for a change of ownership. Re-inspection; in compliance

Refer to Section 5.1 for additional information.

4.7 Oil and Gas Wells

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
California Geologic Energy Management Division (CalGEM)	April 7, 2023	CalGEM Map	No

4.8 Oil and Gas Pipelines

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping System (NPMS) and Southern California Gas Company (SoCalGas)	April 7, 2023	NPMS Public Map Viewer and SoCalGas Map	No

4.9 State Environmental Superliens

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

4.10 State Property Transfer Laws

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The minimum search distance from the federal and state environmental records database listings specified in the current ASTM Standard E1527 is included in Section 5.1. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below as well as the total number of sites identified, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

Regulatory database listings associated with the subject property, adjoining site(s) and/or nearby sites of concern that were determined to warrant additional discussion, if any, are identified and further discussed in Section 5.1.

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
Federal NPL (Superfund) sites	1.0			
Federal Delisted NPL sites	0.5			
Federal CERCLA removals/orders sites	0.5			
Federal CERCLA sites with NFRAP	0.5			
Federal RCRA facilities undergoing Corrective Action	1.0			
Federal RCRA TSD facilities	0.5			
Federal RCRA generators (LQG, SQG, VSQG)	SP/ADJ			
Federal RCRA NonGen/NLR sites	SP/ADJ			
Federal IC/EC sites	SP			
Federal ERNS sites	SP			
State/tribal "Superfund" equivalent sites	1.0			
State/tribal hazardous waste facilities	0.5			
State/tribal landfill and solid waste disposal facilities	0.5			
State/tribal leaking storage tanks	0.5	✔		
State/tribal registered storage tanks	SP/ADJ	✔		
State/tribal voluntary cleanup sites	0.5			

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
State/tribal IC/EC registries	SP			
State/tribal brownfield sites	0.5			
Orphans	N/A	✔		
Additional Environmental Record lists	SP/ADJ	✔		

Facility Name	El Modeno Gardens
Address	11911 Jeffrey Road (Gateway area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	CA FID UST, ORANGE CO INDUSTRIAL SITE, CERS, SLIC (Orphan)
Comments	According to the regulatory database, the subject property at 11911 Jeffrey Road is listed on the Facility Inventory Database (FID) database which contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. The facility ID is listed as 30009420 and the status is listed as active. AEI reviewed information on the RWQCB's Historical Hazardous Substance Storage Information (HHSSI) database, which indicated that El Modeno Gardens, a plant nursery, operated the following tanks at the subject property: a 6,000 gallon single-walled fiberglass diesel UST that was installed in 1972 and was still in use as of 1988; and a 1,000 gallon single-walled steel unleaded gasoline UST that was installed in 1970 and was still in use as of 1988. The location of the USTs was not reported. However, according to documents reviewed from the Orange County Health Care Agency (OCHCA), these tanks were removed in September 1998. Sampling was completed as part of the removal process as well as again in 2010 as requested by The Irvine Company. Samples collected in 2010 were analyzed for TPH-gasoline and diesel, VOCs and MTBE. The sampling results for the former gasoline and diesel UST locations indicate that no residual hydrocarbon concentrations were evident which validated the prior sample collection of September 1998. The subject property is listed as a closed SLIC Case under the facility name El Modeno Gardens at 11911 Jeffrey Road (Case #T10000017722). The Orange County LOP and the Santa Ana RWQCB are listed as the cleanup oversight agencies. The case was opened and closed on September 23, 2010. No additional information was available on GeoTracker. However, information reviewed from OCHCA records indicate that beginning in January 2010, soil sampling was completed throughout the site occupied by El Modeno Gardens. Locations included the former UST locations, the surface water collection area at the southeast corner of the property, the water supply adjacent to the agricultural chemical storage container, the interior of the wood-constructed fertilizer storage shed, and the northern boundary of the site which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. Three additional locations consisted of general areas within the nursery. The samples from within the tank locations were analyzed for TPH-gasoline and diesel, VOCs and MTBE (discussed above). The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides, arsenic and lead. The Orange Co. Industrial Site listing indicated that the release chemicals were "DDT; CHLORDAN; TOXAPHENE". Documents reviewed from OCHCA records, confirmed the release of these specific chemicals during the initial sampling event. A series of step-out sampling was completed to evaluate the lateral

	limits of contamination. Boundaries for the impacted soil were defined and excavation of impacted soil was conducted. Confirmation soil sampling was completed. Results of the sampling exhibited concentrations from trace to non-detectable levels and were below the actionable limit of 0.46 mg/kg. A late decision was made to involve OCHCA in the closure process. Confirmation soil samples were again collected under the direction of OCHCA. Analytical results of the samples collected were below the actionable limits. In a letter dated September 22, 2010, the Orange County Health Care Agency confirmed the completion of remedial action for the El Modeno Gardens Nursery with no further action required. Based on the current closed regulatory status and information reviewed to date, this information is considered to be a Historical Recognized Environmental Condition at this time. According to the CERS listing, El Modeno Gardens is listed as a cleanup program site, and Pacific Coast Propane LLC is listed as a chemical storage facility. The facility was issued violations for failure to electronically update their business plan within 30 days, failure to provide initial and annual training to all employees in safety procedures, and failure to complete and submit hazardous material inventory information in 2018. A 20,000 gallon propane tank was observed on-site during a 2016, 2019 and 2022 inspection. This listing does not imply a release and therefore do not represent a significant environmental concern.

Facility Name	Orange County Produce LLC
Address	11405 Jeffrey Road (Gateway area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	CERS HAZ WASTE, CERS, HAZNET, HWTS
Comments	Orange County Produce LLC is listed as a hazardous waste generator and chemical storage facility. The facility was issued paperwork violations in 2014, 2016, 2019 and 2021 as well as failure to properly close hazardous waste containers when not in active use in 2015, failure to properly label hazardous waste accumulation containers, failure to properly manage used oil and/or fuel filters in accordance with the requirements, failure to meet container management requirements, failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in 2019 and failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days in 2021. These listings do not imply a release. This facility is identified as generating the following: 2.565 tons of waste oil and mixed oil in 2005, 0.8 tons of latex waste in 2006, 1.9 tons of waste oil and mixed oil in 2007, 1.52 tons in 2010, 0.475 tons of other organic solids in 2011, 0.075 tons in 2013, 0.175 tons in 2019 and 0.1 tons in 2021. An EPA ID was created for Orange County Produce LLC in December 2004. These listings do not imply a release. Based on the non-release nature of the listings, lack of reported release and nature of current occupancy, these listings are not expected to represent a significant environmental concern.

Facility Name	Bob McGrann Contruction Inc/Best Management Construction Inc,
Address	11502, 11502 1/2 Jeffrey Road (Gateway area)
Distance & Direction	Subject Property
Hydrologic Position	N/A

Databases Listed	CERS, HAZNET (x2), HWTS (x2), FINDS, ECHO
Comments	This facility is identified as generating the following: paint sludge, unspecified oil-containing waste, latex waste, other organic solids, unspecified solvent mixture, pesticides and other waste associated with pesticide production, waste oil and mixed oil and off-specification aged or surplus organics in 2004 through 2021. An EPA ID was created for Best Management Construction Inc in January 2002. An EPA ID was created for Best Management Construction Inc in January 2016 and inactive as of April 2016. JBR Engineering Inc (Best Management Construction Inc parent) is listed as a chemical storage facility. These types of permits do not imply a release. The subject property is listed as a FINDS and ECHO site. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. Based on the nature of these listings and lack of violations, they are not expected to represent a significant environmental concern. Based on the non-release nature of the listings, lack of reported release and nature of current occupancy, these listings are not expected to represent a significant environmental concern.

Facility Name	Gateway Park Stockpile Plan
Address	South of Jeffrey Road and East of Portola Parkway (Gateway area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	CIWQS, CERS
Comments	These listings refer to a stormwater discharge permit which was issued in 2017. These types of permits are generally associated with construction activities and do not imply a release. Based on the non-release nature of the listing, lack of reported release and nature of current occupancy, these listings are not expected to represent a significant environmental concern.

Facility Name	Irvine Valencia Growers, Griffith Co Inc, Nagae Landscaping, Suchy Trenching Inc, Orange County Shooting & Training Center
Address	11501 Jeffrey Road (Foothills area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	CERS HAZ WASTE (x2), CERS (x2), CERS TANKS, HAZNET, HWTS (x2), FINDS (x2), ECHO (x2)
Comments	Irvine Valencia Growers is listed as a hazardous waste generator and chemical storage facility. The facility was issued violations for failure to electronically update their business plan within 30 days, failure to provide initial and annual training to all employees in safety procedures, and failure to complete and submit hazardous material inventory information in 2018. These listings do not imply a release. According to the regulatory database, Irvine Valencia Growers is equipped with an AST. No additional information was available. No releases have been reported in association with this AST. This facility is identified as generating the following: 0.417 tons of tank bottom waste in 2009, 0.0575 tons of other organics solids in 2018 and 0.050 tons in 2019. An EPA ID was created for Irvine Valencia Growers in April 2009 and is inactive as of October 2009. An EPA ID was created for Griffith Co Inc in June 2002 and is inactive as of March 2003. These types of permits do not imply a release.

	The subject property is listed as a FINDS and ECHO site. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. Based on the nature of these listings and lack of violations, they are not expected to represent a significant environmental concern. Based on the non-release nature of the listings and lack of reported release, these listings are not expected to represent a significant environmental concern.

Facility Name	Nakae & Associates Inc
Address	11159 Jeffrey Road (Foothills area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	AST, CERS TANKS, FINDS, ECHO, CERS HAZ WASTE, CERS, HAZNET, HWTS, PEST LIC
Comments	According to the regulatory database, Nakae & Associates Inc is equipped with an AST. No additional information was available. No releases have been reported in association with this AST. The subject property is listed as a FINDS and ECHO site. No violations or enforcement actions were identified on the EPA websites Envirofacts and ECHO. Based on the nature of these listings and lack of violations, they are not expected to represent a significant environmental concern. Nakae & Associates Inc is listed as a hazardous waste generator and chemical storage facility. The facility was issued violations for failure to accumulate hazardous waste in a container that is in good condition in 2015, failure to annually review and certify that the business plan is complete, accurate, and up-to-date in 2016, failure to properly label hazardous waste accumulation containers, failure to update business plan within 30 days, failure to complete and submit a site map with all required content, failure to meet container management requirements in 2018, failure to complete and submit hazardous material inventory information in 2018 and 2021 and failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container in 2021. These listings do not imply a release. This facility is identified as generating the following: 0.836 tons of waste oil and mixed oil in 2006 and 0.231 tons of aqueous solution with total organic residues less than 10 percent in 2010. An EPA ID was created for Nakae & Associates Inc, in October 2004. This listing does not imply a release. The PEST LIC database includes 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 and persons who advise on agricultural pesticide applications. Nakae & Associates Inc is listed with an active pesticide license. Based on the non-release nature of the listings and lack of reported release, these listings are not expected to represent a significant environmental concern.

Facility Name	Nakae & Associates Inc, Irvine Valencia Growers
Address	11501, 11159 Jeffrey Road (Foothills area)
Distance & Direction	Subject Property

Hydrologic Position	N/A
Databases Listed	ORANGE CO INDUSTRIAL SITE (x2), SLIC (x2)
Comments	A review of files from the regulatory database and GeoTracker provided the following information regarding the SLIC cases at the subject property (Case #T10000017539 and #T10000018310). The subject property was formerly occupied by Orange County Shooting & Training Center beginning in the early 1970s until its closure in 1995. The facility was divided into three primary ranges; a Rifle Range within West Hicks Canyon, a Skeet Range within East Hicks Canyon and Pistol Range immediately south of the former Skeet range. The former Rifle Range was occupied by Griffith Construction and SoCal Sandbags in 2014. The area of the former Pistol Range was occupied by Irvine Valencia Growers (IVG) in 2014. The former containment berms have been spread to form a flat pad on which the IVG maintenance yard and buildings are located. The area of the former Skeet Range and portions of the former Pistol Range have previously been investigated between 1996 and 2003. In 1996, fifty locations were sampled at depths of 0-1.5 feet at the prior Skeet Range and analyzed for Total Lead (TTLC). Results indicated that lead concentrations of up to 64,900 mg/kg were encountered. Based on the analytical results, approximately 1,240 cubic yards of soil were excavated and stockpiled. Initial removals were made to a depth of eight inches bgs however, seven locations were excavated to a depth of 12 inches bgs due to confirmation sampling results. In May 2000, the stockpiled lead-impacted soil was to be removed from the site. However, the original stockpile had been moved to the center of the recently created Nakae Yard and been mixed with miscellaneous construction debris. In June 2000, the impacted soil was separated from the construction debris and approximately 237.75 tons were hauled to an off-site facility. In 2002, sampling was conducted at 13 locations within the Nakae Yard to evaluate if lead impacted soil remained onsite. Approximately 207 tons of additional lead impacted soil was removed off-site for disposal. In a letter from the OCHCA dated January 3, 2003, the remediation of the Nakae Yard (Case #T10000018310) was completed with no further action required. Based on the fact that this case is closed, it is considered to be a Historical Recognized Environmental Condition (HREC). In February 2003, soil samples were collected from the three mounds of dirt that form the shooting corridor and the impact zone of the Pistol Range. One sample was collected from each mound. The soil samples were analyzed for Total Lead. The results for Total Lead were as follows: 40,400 mg/kg for impact mound, 10 mg/kg and 19.6 mg/kg for the side/corridor mounds. At the time of the investigation, acceptable concentrations for TTLC lead in soil in California was 1,000 mg/kg and the allowable STLC lead concentrations in soil was 5 mg/L. The sample from the impact mound exceeded the initial default screening process of 1,000 mg/kg and was therefore was considered "hazardous" by California regulations. It was recommended the approximately 2-feet of surface soil from the impact mound be removed and properly disposed of off-site. In March 2003, confirmation sampling from the impact mound was collected and analyzed. Results ranged from 21.5 mg/kg to 168 mg/kg, below the 1,000 mg/kg threshold. The excavation activities were considered to have significantly mitigated the lead concentrations.

In May 2013, soil sampling was conducted within the former Pistol and Rifle Ranges. 32 samples from 16 locations were collected from the former Rifle Range and 50 samples from 25 locations were collected at the former Pistol Ranges on a pre-determined grid bases. The soil samples were collected at depth of 0.5 feet and 2.0 feet bgs and analyzed for Total Lead.

The former Pistol Range is now developed with the IVG maintenance and farming yard. While collecting soil samples along the west flank of an adjoining hillside, a large volume of skeet pigeons were observed on surface soils suggesting that shotgun activity was also used in this area and not solely confined to the skeet range to the north. The samples collected at the 2 foot depth exhibited consistent elevated detections of lead in the west half of the site within the drop-zone area. However, at the 0.5 feet depth, acceptable non-actionable concentrations were detected when compared with various regulatory standards. The soil samples collected from the eastern half exhibited acceptable lead concentrations at both 0.5 feet and 2 feet bgs.

Soil sampling results for the former Rifle Range indicated that the soil samples collected at 0.5 feet bgs in the drop-zone exhibited the higher concentrations and the samples collected at the 2 feet bgs generally exhibited the lower concentrations. Rifle projectiles were common in the firing line and another elevated sample point was described along the hillside northeast of the area currently in use and outside the current work area.

The 2013 lead concentrations were compared to the residential and commercial standards of the November 2011 EPA IX Regional Screening Levels (RSLs), the January 2005 California Human Health Screening Levels (CHHSLs), and the November 2007 Bay Area RWQCB Shallow Soil Environmental Screening Levels (ESLs). Following review of the lead concentrations to the various regulatory comparative standards, additional soil sampling was recommended in order to further delineate the vertical and lateral extent of lead impacted soils identified at the subject site. It was understood that the areas sampled and analyzed are slated to remain "open space" and will not be either residentially or commercially developed, negating the opportunity for dermal contact or ingestion by humans. A deed restriction was recommended to ensure that the soil will not be disturbed through a grading process.

In 2015, a Human and Ecological Risk Assessment was completed for the former Orange County Shooting and Training Center. This involves the assessment of the risks posed by the presence of substances released to the environment by man on all living organisms. A statistical analysis of soil lead data was conducted using the USEPA developed software. According to the report, The Irvine Company is planning on removing all structures from the subject property and restoring the site to its natural condition. Given that the site will be dedicated to open space and ecological reserve area, the site will not have permanent residents. The only potential receptors whom may come in contact with site-related chemicals are visitors hiking along walking trails that might cross the site in the future. The hypothetical recreational receptors/hikers were deemed to have the potential to come in contact with site-related chemicals through the inhalation of ambient air and direct contact with soil. Exposure time and intensity for future recreational receptors walking through the site are expected to be very low to insignificant and thus are expected to have low intakes of site-related lead. Therefore, results of the risk evaluation indicated that exposure to lead in soil, at average concentrations, did not pose

	a health threat to recreational receptors. Additionally, the results of the risk evaluation indicated that exposures to lead in soil, at average concentrations, did not pose a health threat to ecological receptors either. Based on the results of the Human and Ecological Risk Assessment evaluation, AEC concluded that no further remediation is deemed necessary at the site as long as the future land remains open land. In the event that modifications were to be made to the site and those modifications attracted wildlife, the potential threat posed by the modifications should be properly evaluated in an Ecological Risk Assessment. The SLIC case #T10000017539 status is listed as "open - site assessment as of 12/2/2021". Orange County and the Santa Ana RWQCB are listed as the cleanup oversight agencies. The known presence of hazardous substances and/or petroleum products at the subject property due to a release and the fact that the SLIC case has not been granted closure represents a REC. AEI recommends compliance with regulatory requirements until closure is achieved. For additional information related to the shooting range, also refer to Sections 3.0 and 4.0 *The regulatory database listed a SLIC case for the Irvine Valencia Growers, Case #T10000018310. However, since the initial reporting, documents have been uploaded to the GeoTracker website and it appears that Case #T10000018310 has been combined under Case #T10000017539.

Facility Name	Stice Company Inc/ Stice Company
Address	10851 Jeffrey Road (Foothills area)
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	CERS HAZ WASTE, CERS, HAZNET (x2), HWTS (x2)
Comments	Stice Company Inc is listed as a hazardous waste generator and chemical storage facility. The facility was issued violations for failure to have used oil filters picked up within specified time in 2016, failure to complete and submit hazardous material inventory information for all reportable hazardous materials in 2021 and failure to annually review and certify that the business plan is complete and accurate in 2022. These listings do not imply a release. This facility is identified as generating the following: waste oil and mixed oil, aqueous solution with total organic residues less than 10 percent, other organic solids, hydrocarbon solvents, unspecified oil-containing waste and unspecified organic liquid mixture in 2004 through 2021. An EPA ID was created for Stice Company Inc in March 2002. An EPA ID was created for Stice Company in February 2021 and inactive in May 2021. These listings do not imply a release. Based on the non-release nature of the listings, lack of reported release and nature of current occupancy, these listings are not expected to represent a significant environmental concern.

5.2 Vapor Migration

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

Potential vapor migration concerns for the subject property are discussed in Section 5.1.

5.3 PFAS-Related Regulatory Database Listings (Emerging Contaminants)

As defined in Section 3.2.36 of the current ASTM Standard E1527, hazardous substance means "those substances defined as a hazardous substance pursuant to CERCLA 42 USC § 9601(14), as interpreted by EPA regulations and the courts." There are some substances that non-environmental professionals and others may assume to be hazardous substances that are not defined (or not yet defined) as hazardous substances under CERCLA, through interpretation by EPA regulations and the courts. These substances may include: (i) some substances that occur naturally or through biological digestion (for example, methane), and (ii) substances about which human understanding is evolving (for example, per- and polyfluoroalkyl substances, also known as "PFAS"). These and any other "emerging contaminants," where they are not identified as a hazardous substance by CERCLA, as interpreted by EPA regulations and the courts, are not included in the scope of this standard. Some of these substances may be considered a "hazardous substance" (or equivalent) under applicable state laws. In those instances, where a Phase I ESA is performed to satisfy both federal and state requirements, or as directed by the user of the report, it is permissible to include analysis and/or discussion of these substances, in the same manner as any other Non-Scope Consideration. If and when such emerging contaminants are defined to be a hazardous substance under CERCLA, as interpreted by EPA regulations and the courts, such substances shall be evaluated within the scope of this standard.

As an initial screening tool for potential PFAS contamination, AEI reviewed PFAS-related database listings from EDR.

It should be noted that AEI's limited PFAS screening is based solely on review of the resources cited. Identification, or lack thereof, is not a warranty that PFAS contamination is present or absent at a site. Additionally, it should be noted that given the evolving nature of science and regulatory oversight of PFAS, additional sources of PFAS contamination may exist at the subject property, adjoining sites and/or other other nearby sites not identified by the limited screening tools reviewed.

Source	Subject Property Identified	Adjoining Site(s) Identified	Other Nearby Site(s) of Concern Identified	Comments
EDR PFAS Regulatory Database Listing(s)				No listings warranting discussion were identified

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to the current ASTM Standard E1527, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

6.1.1 OWNER AND KEY SITE MANAGER

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner Representative	Mr. Peter Changala, Owner Representative	May 2, 2023	Email	1985	Interviewed; see Interview Summary table below
Key Site Manager	Mr. Peter Changala, Vice President Agricultural Operations, Irvine Company	April 24, 2023	In Person	1985	Owner is acting Key Site Manager; see Interview Summary table below

INTERVIEW SUMMARY

Question	Owner (Representative)/Key Site Manager Response/Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	No
Do you have any knowledge of previous environmental investigations conducted on site?	Yes; refer to Section 5.1
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	Yes, typical fertilizers, herbicides and pesticides for crops and motor fluids for equipment maintenance
Are you aware of any known plans for site redevelopment or change in site use?	Yes
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, at, or from the subject property?	No
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, at, or from the subject property?	No
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?	No
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	No

Mr. Changala stated that the southwestern portion of the property, referred to as the Gateway area, will be redeveloped for housing along with walking trails along Jeffrey Road and a small park. The upper, northeastern portion, referred to as the Foothills area will have all structures removed and returned to its natural habitat.

Regarding the open SLIC case, Mr. Changala stated that they have not received any further communication from the County since submitting the risk assessment in 2015. Refer to Sections 4.1 and 5.1 for further discussion of the case.

6.1.2 Past Owners, Operators, and Occupants

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.

6.1.3 Interview with Others

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to the current ASTM Standard E1527 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental 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 any environmental liens filed or recorded against the property under federal, tribal, state or local law?	Information not provided
2. Activity and use limitations 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?	Information not provided
3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). 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?	Information not provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).	Information not provided

Question	Response/ Comment
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?	
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: (a) Do you know the past uses of the property? (b) Do you know of specific chemicals that are present or once were present at the property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property?	Information not provided
6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). 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?	Information not provided

6.3 Previous Reports and Other Provided Documentation

A Limited Subsurface Investigation Report was prepared concurrently to this assessment. A summary of this information follows:

Limited Subsurface Investigation Report (11501 Jeffrey Road, Irvine, California 92620), prepared by AEI Consultants (May 3, 2023)

This report presents the results of the Limited Subsurface Investigation (LSI) performed by AEI Consultants (AEI) at the Gateway area, 11501 Jeffrey Road, Irvine, California (Site). This investigation was completed to assess the recognized environmental condition (REC) identified in the working Phase I Environmental Site Assessment. According to the working Phase I ESA, the Site has been used for agricultural purposes, there is the potential organochlorine pesticides (OCPs) and/or arsenic may have been used on the Site.

Investigation efforts included the collection of shallow soil samples equally spaced across the Site in up to 18 equal sections. At the time of the investigation, it was identified that the southern portion of the Site was comprised of various hardscape areas such as the newly constructed Jeffery Road, equipment and vehicle storage and residential area, no samples were collected from those areas. The northern portion of the Site was identified as inaccessible due to rough and steep terrain, no samples were collected from that area. On April 20, 2023, a shallow soil sampling program was completed that was generally consistent with the protocol outlined in the Department of Toxic Substance Control (DTSC) Interim Guidance for Sampling Agricultural Properties (Third Revision) dated August 7, 2008. For the shallow sampling program, 14 separate sampling areas (Sections S-1 through S-9, S-11, S-12, S-13, S-16, and S-17) were evenly spaced across the Site.

Samples collected from Sections S-1 through S-9, S-12, S-13, S-16, and S-17 were composited in the field into thirteen (13) 2-, 3- or 4-point composite samples (S-1 through S-9, S-12, S-13, S- 16, and S-17) and two duplicate samples were collected from areas S-8 (DUP-4) and S-16 (DUP-2). Due to hardscape, only one (1) sample was collected from Section 11 (S-11). Select discrete samples, one from each area (Sections S-1 through S-9, S-11, S-12, S-13, S-16, and S-17) were analyzed for arsenic, including two (2) discrete duplicate samples from Section 8 (DUP-3) and Section 16 (DUP-1).

The soil samples were submitted to the State of California certified laboratory, Alpha Scientific Corporation, of Cerritos, California. Fourteen composite soil samples (S-1 through S-9, S-11, S-12, S-13, S-16, and S-17-1) and two (2) duplicate composite samples (DUP-2 and DUP-4) were analyzed for OCPs using United States Environmental Protection Agency (US EPA) Testing Method 8081A. Fourteen discrete soil samples (S-1-3, S-2-1, S3-2, S-4-2, S-5-1, S-6-1, S-7-4, S-8-1, S-9-1, S-11-2, S-12-2, S-13-4, S-16-1, and S-17-2) and two (2) duplicate discrete samples (DUP-1 and DUP-3) were analyzed for arsenic using US EPA Testing Method 6010B.

Analytical results generated during this investigation were compared to the Revision 2, July 2019 Environmental Screening Levels (ESLs) for residential, commercial/industrial, and construction worker scenarios issued by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). Additionally, detections of arsenic in soil samples were compared to the Kearney Foundation of Soil Science Division of Agriculture and Natural Resources University of California Background Concentrations of Trace and Major Elements in California Soils (Bradford 1996) to evaluate a background threshold. For this investigation, AEI understands the Site is planned for redevelopment for public use as a park. Therefore, analytical results generated during this investigation were compared to the ESLs assuming a direct shallow soil contact for residential, commercial, and construction worker use.

The results are summarized as follows:

- 4,4'-Dichlorodiphenyldichloroethane (DDE) was detected in 14 composite soil samples and two (2) duplicate samples at concentrations ranging from 0.0307 milligrams per kilogram (mg/kg) (DUP-2) to 0.670 mg/kg (S-4), below the residential ESL of 2.7 mg/kg, the commercial/industrial ESL of 12 mg/kg, and the construction worker ESL of 81 mg/kg.
- 4,4'-Dichlorodiphenyltrichloroethane (DDT) was detected in 14 composite soil samples and two (2) duplicate samples at concentrations ranging from 0.0085 mg/kg (S-16) to 0.453 mg/kg (S-11), below the residential ESL of 1.9 mg/kg, the commercial/industrial ESL of 8.5 mg/kg, and the construction worker ESL of 57 mg/kg.
- Endrin was detected in 14 composite soil samples and two (2) duplicate samples at concentrations ranging from 0.0037 mg/kg (S-16 and DUP-2) to 0.0327 mg/kg (S-6), below the residential ESL of 21 mg/kg, the commercial/industrial ESL of 290 mg/kg, and the construction worker ESL of 74 mg/kg.
- No other OCPs were detected in soil samples above their respective laboratory method detection limits.
- Arsenic was detected in the 14 composite soil samples and two (2) duplicate samples at concentrations ranging from 2.4 mg/kg (S-1-3) to 5.8 mg/kg (DUP-3 and S-9-1), above the residential ESL of 0.07 mg/kg, the commercial/industrial ESL of 0.31 mg/kg, and the construction worker ESL of 2.00 mg/kg. However, the concentrations detected were below the maximum background concentration of 11.0 mg/kg.

Based on the results of this investigation, no mitigation is needed and no further assessment was noted by AEI to be warranted at this time.

A copy of the report is included in the appendices.

6.4 Environmental Lien and AUL Search

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.

7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	April 24 & 26, 2023
AEI Site Assessor(s)	Lisa Henderson
Property Escort(s)/ Relationship(s) to Property	Mr. Peter Changala/Vice President Agricultural Operations, Irvine Company
Units/Areas Observed	Interior areas of permanent and portable office/storage/ maintenance buildings for Etchandy Farms, Pinnacle Farms, Irvine Valencia Growers, Stice Construction, Nakae & Associates, and the former labor camp building/vacant. Exterior/yard areas for Griffith Construction, So Cal Sandbags, Suchy Trenching, Jimni Systems Inc, Seed Farm with limited yard access for Best Management Construction. Additional exterior areas include the farming/agricultural land and vacant land areas in both Gateway and Foothills areas.
Area(s) not accessed and reason(s)	Office/warehouse space for Suchy Trenching, Jimni Systems Inc as well as office space and one storage yard for Best Management Construction Inc (BMC) Refer to Section 1.5 for discussion of limiting condition(s)
Other Physical Constraints	• Large parcel • Large volume of tall, thick brush in vacant areas Refer to Section 1.5 for discussion of limiting condition(s)
General Observations	The property includes three permanent buildings in the Gateway area of the property and are associated with the agricultural operations. Two are currently occupied by Etchandy Farms and Pinnacle Farms and are used for office space and limited storage. The third was used as a labor camp and is currently vacant. The Foothills area includes some vacant land and a native seed farm. The seed farm includes portable containers used to store seed and supplies. Further northeast within the Foothills area, is occupied by several small construction-related companies as well as Irvine Valencia Growers, a division of the Irvine Company.

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjoining Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use (including drums, totes, and intermediate bulk containers)	✔	
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)	✔	
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids	✔	✔
Interior Stains or Corrosion		
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers	✔	✔

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjoining Property (see Section 7.2)
Pits, Ponds, and Lagoons		
Stained Soil or Pavement	✔	
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems or Cesspools	✔	
Biomedical Wastes		
Other	✔	

7.1 Subject Property Reconnaissance Findings

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.1.1 Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use (including drums, totes, and intermediate bulk containers)

Substance/Waste (size/ quantity)	Location	Operations Associated with Material	Disposal Method/ Frequency	Secondary Containment	Staining/ Spills
Diesel fuel (5,000-gal, 1,000-gal, 500-gal) See AST discussion	Throughout site	Vehicle operation	N/A	Yes	Yes
Waste oil (500-gal, 280-gal, 150-gal) See AST discussion	Throughout site	Vehicle operation	As-needed	Yes	None
Waste filters (55-gallon drum/3)	Etchandy Farms, IVG	Vehicle operation	As-needed	No	None
New motor fluids (55-gallon drum/16)	Etchandy Farms, IVG, Stice Construction, Nakae, Griffith Construction	Vehicle operation	N/A	Yes with the exception of three drums	Yes
Waste hydraulic fluid (55-gallon drum/1)	IVG	Vehicle operation	As-needed	No	None
Waste motor fluids (55-gallon drum/5)	IVG, Stice Construction	Vehicle operation	As-needed	Yes	None
Waste motor fluids (5-gallon pails/5)	Nakae	Vehicle operation	As-needed	Yes	None
New gear lubricant (30-gallon drum/1)	IVG	Vehicle operation	N/A	No	None
Waste sludge (20-gallon drum/1)	IVG	Vehicle operation	As-needed	Yes	None
Various retail-sized motor fluids (quart, gallon/ multiple)	Etchandy Farms, at large propane tank, Stice Construction	Vehicle operation	N/A	No	None
Various retail-sized motor fluids (quart, gallon/ multiple)	IVG	Vehicle operation	N/A	Yes	None

DEF additive (tote/1)	Nakae	Vehicle operation	N/A	No	None
Spray paints (retail-sized cans/multiple)	Nakae	Work operations	N/A	Yes	None
Fertilizer/Lime/ Insecticide/herbicide (50-pound bags/multiple)	Etchandy Farms, IVG	Farming operations	N/A	No	None
Various retail-sized fertilizers and herbicides/ pesticides (quart, gallon/ multiple)	Nakae	Work operations	N/A	No	None
Gas mix (25-gallon container/1)	Nakae	Vehicle operation	N/A	No	None
Methanol (55-gallon/1)	Suchy Trenching	Work operations	N/A	No	None
Batteries (multiple)	Stice Construction work area	Vehicle operation	As-needed	No	None

Some evidence of staining associated with leakage from the containers was observed. However, no storm drains were located in the immediate vicinity of the stains. Based on the relatively small size and the fact that the staining was located on a paved area, it appears that the staining is surficial in nature and thus is not expected to represent a significant environmental concern.

A minor spill was noted around two petroleum drums at the Griffith Construction yard. The spill measured approximately three square feet and occurred on gravel/bare dirt. Based on the relatively small size, it appears that the staining is surficial in nature and thus is not expected to represent a significant environmental concern. However, the spill should be properly cleaned up and any contaminated soils should be properly removed and disposed of.

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

ASTs

Size (gallons)	Contents	Installation Date	AST Condition	Location	Construction/ Secondary Containment	Product Piping	Staining/ Spills
5,000	Diesel	Unknown	Good	Nakae storage yard (Foothills area)	Double-walled, Secondary containment	None	None
1,000	Diesel	Unknown	Good	Exterior of IVG maintenance shop (Foothills area)	Double-walled	None	Minor; near nozzle location
500	Waste oil	Unknown	Fair	Entrance to Etchandy Farms (Gateway area)	Secondary containment	None	None
500	Gasoline	Unknown	Good	Entrance to Etchandy Farms (Gateway area)	Double-walled	None	None
500	Diesel	Unknown	Good	Entrance to Etchandy Farms(Gateway area)	Secondary containment	None	None

500	Diesel	Unknown	Good	Entrance to Etchandy Farms (Gateway area)	Secondary containment	None	Yes; minor near nozzle
500	Waste oil	Unknown	Good	Exterior side of IVG maintenance shop (Foothills area)	Secondary containment	None	None
500	Unleaded gasoline	Unknown	Good	Nakae storage yard (Foothills area)	Double-walled	None	None
500	Diesel	Unknown	Good	Entrance to Griffith Construction (Foothills area)	Double-walled	None	Yes; minor near nozzle
500	Fuel	Unknown	Good	SoCal Sandbags yard (Foothills area)	Double-walled	None	Yes; near nozzle
500	Fuel	Unknown	Good	SoCal Sandbags yard (Foothills area)	Double-walled	None	Yes; near nozzle
280	Waste oil	Unknown	Good	Stice Construction yard (Foothills area)	Double-walled, secondary containment	None	None
150	Waste oil	Unknown	Good	Nakae yard, waste area (Foothills area)	Double-walled, secondary containment pallet	None	None
Unknown	Propane	Unknown	Good	Entrance to Etchandy and Pinnacle Farms (Gateway area)	N/A	None	None

Significant staining was observed on the gravel underneath the two 500 gallon fuel ASTs at SoCal Sandbags (Foothills area) during AEI's site inspection. The tanks were located within secondary containment units, however the staining extended approximately four feet past the base of the units. Based on the presence of the staining, AEI is unable to rule out the potential that release to the subsurface may have occurred in this area. The known presence of hazardous substances and/or petroleum products at the subject property due to a release represents a REC.

The subject property (Foothills area) is equipped with two emergency generators located outside the Nakae office building and SoCal Sandbags. Approximately 200-225 gallon of diesel fuel is contained within the generators equipment. No evidence of leaks or spills was observed at the base of the generators. Based on the good condition of the equipment, the presence of the emergency generators and associated diesel fuel is not expected to represent a significant environmental concern.

7.1.3 Electrical or Mechanical Equipment Likely to Contain Fluids

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Transformers

Type	Quantity	Owner	Presumed Date of Installation	Spills or Stains Observed (Yes/ No)	Non-PCB Label (Yes/ No)
Pole-Mounted	Three	Southern California Edison	Unknown	No	No

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Transformers installed prior to 1977 may be PCB containing while transformers installed after 1977 are unlikely to be PCB containing. Federal Regulations (40 CFR 761 Subpart G) require any release of material containing >50 ppm PCB and occurring after May 4, 1987, be cleaned up by the transformer owner following the United States EPA's PCB spill cleanup policy.

AEI did not observe evidence of spills, staining, or leaks on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Hydraulic Lifts

Nakae & Associates Inc and Irvine Valley Growers are each equipped with one aboveground lift. Each lift is equipped with a small aboveground reservoir of hydraulic fluid. No evidence of stains or leakage from the units was observed, and the lifts are therefore not expected to represent a significant environmental concern.

7.1.4 Drains, Sumps, and Clarifiers

One storm drain was observed in the yard area just outside the concrete pad of the maintenance shop for Nakae. According to the tenant, the drain does not discharge to any drainage/sewer system but only to an underground containment pit. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drain. Based on the nature of the drain, the presence of the drain is not expected to represent a significant environmental concern.

7.1.5 Stained Soil and Pavement

Surficial staining was observed beneath various ASTs and drums during AEI's on-site reconnaissance. Please refer to Sections 7.1.1 and 7.1.2 above for additional information.

7.1.6 Solid Waste Disposal or Evidence of Fill Materials

According to the site escort, Mr. Changala, the Griffith Construction site (Foothills area) was previously a "V" shaped area prior to their tenancy. The area was filled by Griffith Construction to create a flat space and may have been filled with material from their stock of crushed concrete, however the source and nature of the fill materials is unknown. Further, no agency records were identified during the course of this investigation to indicate details of the fill activities. It is AEI's understanding that this area will be redeveloped as 'open space'. As such, no further action is warranted at this time. Nevertheless, in the event the subject property undergoes future development activities, AEI recommends proper soil characterization, as well as management and disposal if any contaminated soils are identified.

7.1.7 Septic Systems or Cesspools

The subject property is equipped with multiple septic tanks near each of the three permanent buildings in the Gateway area as well as near the portable offices in the Foothills area. According to the various tenants, the septic systems are cleaned out and inspected on an as-needed basis. The septic systems are used only for the restrooms. There are no floor drains in the subject property buildings. Based on the use of the septic systems solely for domestic waste, the presence of the septic systems is not expected to represent a significant environmental concern.

7.1.8 Other

Propane/Welding Tanks

Eight propane tanks and eighteen compressed welding gases tanks were noted in throughout areas for use with the forklifts and work equipment. Due to the nature of this material, these tanks are not expected to represent a significant environmental concern.

Dry-type Transformers

AEI observed three dry-type transformers in the Nakae and IVG yards. These transformers are owned by the subject property owner/tenant. Dry-type transformers do not utilize oils for dielectric fluid. Based on the absence of any oils, the presence of the dry-type transformers is not expected to represent a significant environmental concern.

Trash/Debris

The subject property is currently occupied with areas of old and unused equipment as well as concrete and pipe debris throughout the areas. No evidence of impact to the subject property associated with these materials was observed, such as surface staining, odors, stressed vegetation, or spillage of contents. Based on this information, the materials are not considered to represent evidence of a REC. It is AEI's understanding that the debris will be removed by the current tenants. However, if any debris remains, AEI recommends proper disposal of the items.

Underground Vault

AEI observed Metropolitan Water District (MWD) equipment near the seed farm buildings on the eastern side of the property. AEI spoke with a representative from the MWD, who indicated that an underground vault is located in the area and the equipment below includes a pipe and valving. When the pipe is not full of water, vent pipes are in place to release any trapped air. No other features are located within the vault. Therefore, the presence of these features is not expected to represent a significant environmental concern.

7.2 Adjoining Property Reconnaissance Findings

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.2.1 Electrical or Mechanical Equipment Likely to Contain Fluids

Transformers

Two pole-mounted and one pad-mounted transformers were observed on the adjoining sites during the site reconnaissance. No spills, staining, or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

7.2.2 Drains, Sumps, and Clarifiers

Several storm drains were observed in the parking areas of the adjoining properties and adjoining roadways. AEI did not observe evidence of hazardous substances or petroleum products in the vicinity of the drains. Based on the use of the drains solely for storm water runoff, the presence of the drains is not expected to represent a significant environmental concern.

8.0 NON-ASTM SERVICES

8.1 Asbestos-Containing Building Materials

Asbestos is the name for a group of naturally occurring silicate minerals that can be separated into fibers. The fibers are strong, durable, and resistant to heat and fire. They are also long, thin and flexible, so they can even be woven into cloth. Because of these qualities, asbestos has been used in thousands of consumer, industrial, maritime, automotive, scientific and building products. During the 20th century, some 30 million tons of asbestos have been used in industrial sites, homes, schools, shipyards and commercial buildings in the United States. Commercial use of ACM began in the early 1900s and peaked in the period between 1940 and into the 1970s. Common ACMs include pipe-covering, insulating cement, insulating block, refractory and boiler insulation materials, transite board, fireproofing spray, joint compound, vinyl floor tile, ceiling tile, mastics, roofing products, and duct insulation for HVAC applications. Inhalation of asbestos fibers can result in deleterious health effects.

The potential for ACM was evaluated based the United States EPA Guidance Document: Managing Asbestos in Place - A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (the Green Book). In 1973 the NESHAPS banned the use of most spray-applied surfacing ACM, specifically asbestos containing spray-on fireproofing and insulation. Subsequent revisions to this regulation in 1975 and 1978 effectively eliminated the use of friable pre-molded pipe, boiler, turbine, and duct insulation; and the spray application of friable asbestos-containing materials for all uses in buildings. In 1989 the EPA issued regulations to ban some asbestos-containing products and phase out most others over a multi-year period. The "Ban and Phase-Down" rule was challenged in court and the regulation remanded to the agency. As a result, any asbestos-containing products then "in commerce" would not be banned. Those not in commerce would be banned. Those materials "banned" could not be sold. It did not affect such materials already installed, or in use. Most US firms voluntarily ceased production of asbestos containing building materials not covered by the aforementioned Federal bans by the mid-1980s. In 1994, the OSHA determined that employers and building owners are required to treat installed thermal system installation and sprayed on and troweled-on surfacing materials, as well as vinyl or asphalt flooring material, as ACM in buildings constructed no later than 1980 until tested by laboratory analysis to prove otherwise.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Due to the age of the subject property buildings, there is a potential that ACMs are present. A limited list of typical suspect ACMs is included in the following table:

Material Type	Location
Plaster (acoustical and smooth)	Walls and ceilings
Ceiling tile	Ceiling systems
Thermal systems insulations, packings, and gaskets	Heating systems, cooling systems, domestic and heating and cooling piping, ductwork, and other equipment
Floor tile and associate mastics, flooring felts, and papers (under hardwood/other)	Floors
Vinyl sheet flooring and adhesives	Floors
Cove base and associated mastics	Walls
Ceramic tile adhesives and grouts	Walls, floors, and ceilings
All adhesives	Mirrors, wall coverings, construction, etc.
Grout and caulking	Windows and doors
Gypsum board, tape, and joint compound	Wall and ceiling systems
Insulation materials	Walls, ceilings, and attic spaces
Roofing materials (felts, rolled, shingle, flashings, adhesives, tar, and insulations)	Roof and parapet wall systems
Brick and block, mortars	Walls

According to the site escort, demolition of the subject property buildings in the Gateway area is planned for the near future. Regardless of building construction date, the EPA's NESHAP requires that a thorough asbestos survey be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by federal, state and local regulatory agencies, and specifies that all suspect ACMs be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities which may disturb them to prevent potential exposure to workers, building occupants, and the environment.

8.2 Lead-Based Paint

Lead-based paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has ≥1 mg/cm² (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm² to 2.0 mg/cm². Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X," defines a LBP hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard," although the paint should be maintained and its condition monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, or federally owned or subsidized housing is affected by this rule.

Under OSHA, lead-containing paint (LCP) is defined as any paint with any detectable amount of lead present in it. Therefore, all LBP is considered LCP. Conversely, LCP may not meet the criteria to be considered LBP in accordance with HUD guidelines or some states' definition of LBP.

It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching, and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.

The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state, or local regulations in regards to LBP.

In buildings constructed after 1978, it is unlikely that LBP is present; however, some paints utilized after 1978 will be LCP under OSHA. Structures built prior to 1978 and especially prior to the 1960s should be expected to contain LBP.

Due to the age of the subject property permanent buildings in the Gateway area, there is a potential that LBP is present. AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner consult with a certified Lead Risk Assessor to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition/renovations and worker/ occupant protection. It should be noted that construction activities that disturb materials or paints containing any amount of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

8.3 Naturally-Occurring Radon

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The United States EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three radon zones, with Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action Limit of 4.0 pCi/ L. It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the California Department of Health Services Radon Database, 11 tests were conducted for radon levels in the subject property zip code (92602) in 2016. One of the tests exceeded the action level of 4.0 pCi/L set forth by the US EPA. While a relatively small percentage of the test results exceeded the EPA threshold, the majority of the locations sampled were below 4.0 pCi/L. Consequently, radon does not appear to be a widespread concern; however, radon sampling would be required to determine site-specific radon levels.

8.4 Suspect Mold or Microbial Growth Conditions

Molds are simple microscopic organisms which can often be seen in the form of discoloration, frequently green, gray, white, brown, or black. When excessive moisture or water accumulates indoors, mold growth may occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials, including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting, often play host to such growth. Mold spores primarily cause health problems through the inhalation of spores or the toxins they emit when they are present in large numbers. This can occur when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.

This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Potential areas of mold growth, such as in pipe chases, HVAC systems, and behind enclosed walls and ceilings, were not observed as part of this limited assessment.

AEI observed interior areas of the subject property buildings to identify the potential presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to suspect mold appears to be warranted at this time.

9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

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

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the 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.

Prepared By:



Lisa Henderson
Project Manager

Reviewed By:



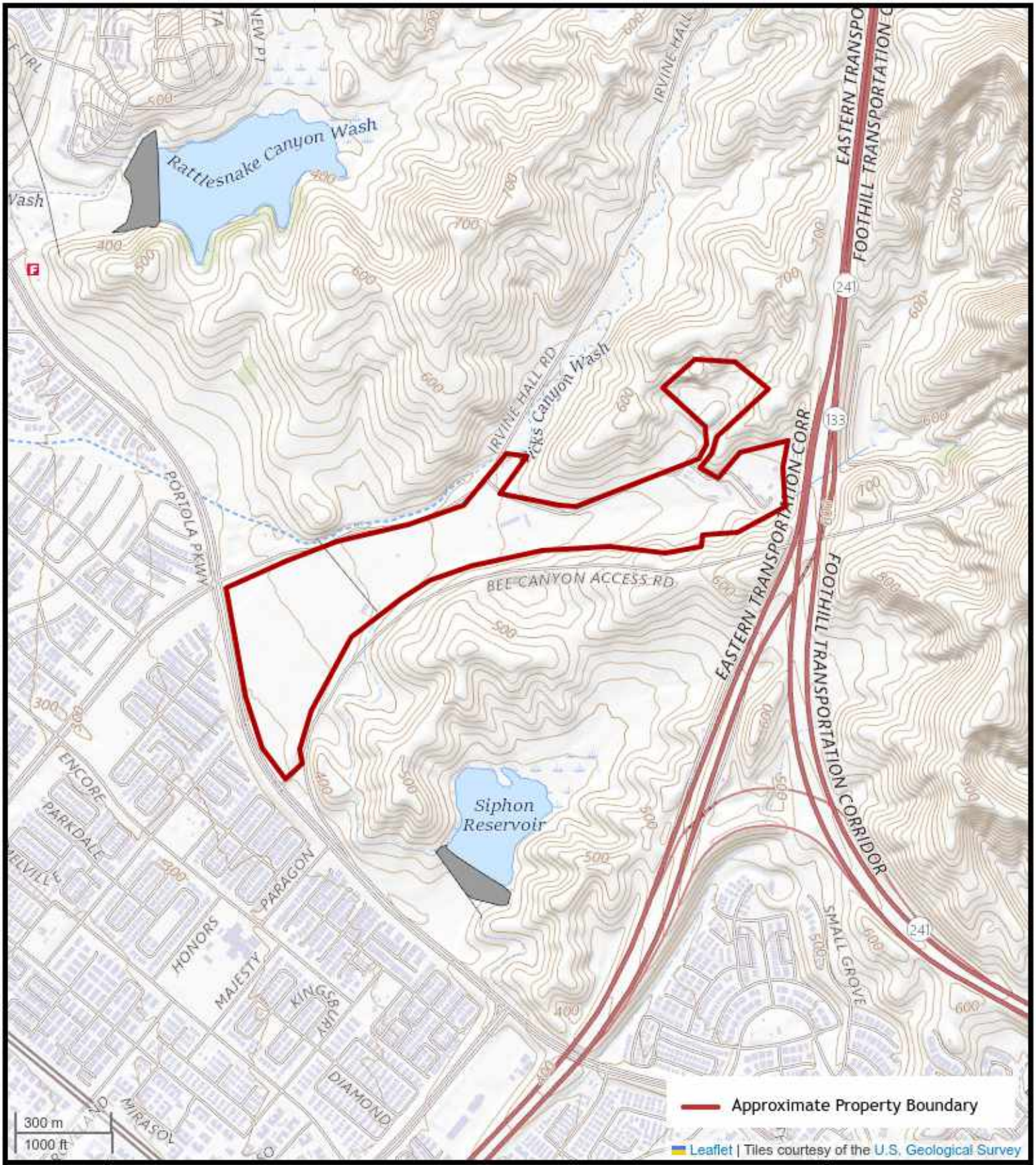
Megan Salcido
Senior Author

10.0 REFERENCES

Item	Date(s)	Source
Soils Information	Accessed April 2023	USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Topographic Map	2012	USGS, El Toro
Depth to Groundwater Information	December 11, 2002	State Water Resources Control Board's (SWRCB) Geo Tracker website
Aerial Photographs	1938-2020, non-inclusive	EDR
Sanborn Map Report/Search	April 6, 2023	EDR
City Directories	1920-2020, non-inclusive	EDR
Historical Topographic Maps	1935-2018, non-inclusive	NETR Online (www.historicaerials.com)
Environmental Health Department	April 7, 2023	Orange County Health Care Agency
Fire Department	April 7, 2023	Orange County Fire Authority
Building Department	April 7, 2023	Irvine Building Department
Planning Department	April 7, 2023	Orange County Health Care Agency and Irvine Planning Department
Assessor's Information and Parcel Map	April 7, 2023	Orange County
Other Agencies Searched	April 7, 2023	SWRCB GeoTracker, DTSC HWTS, DTSC EnviroStor and SCAQMD
Oil and Gas Wells	April 7, 2023	California Geologic Energy Management Division
Oil and Gas Pipelines	April 7, 2023	NPMS Public Map Viewer https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf
Regulatory Database Report	April 6, 2023	EDR
Interview with Owner	May 2, 2023	Mr. Peter Changala
Interview with Key Site Manager	April 24, 2023	Mr. Peter Changala
Radon Zone Information	1993	US EPA Map of Radon Zones https://www.epa.gov/radon

APPENDIX A

FIGURES



N

FIGURE 1: TOPOGRAPHIC MAP

10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, California 92602

AEI Project Number: 477333

AEI



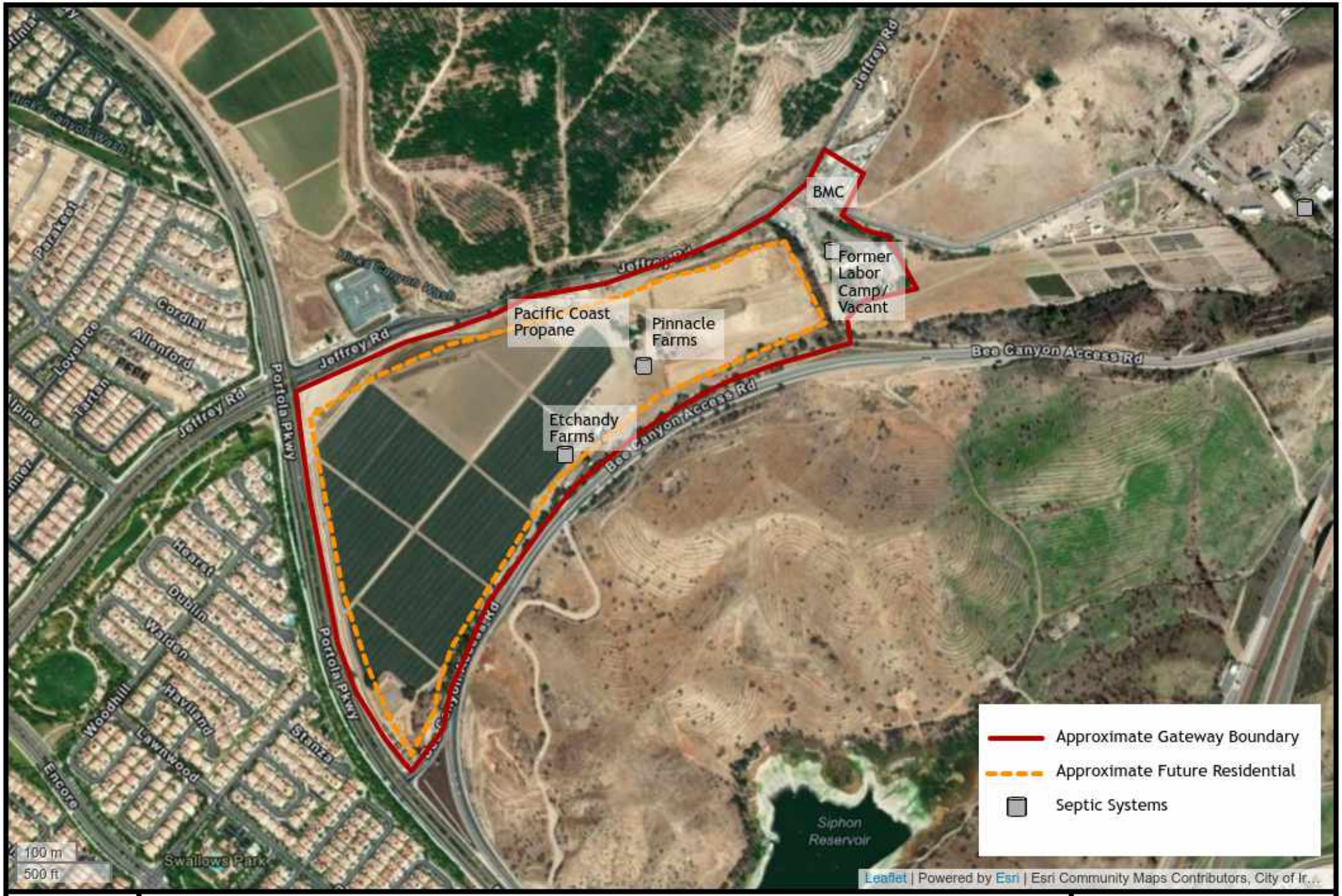
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FIGURE 2: SITE MAP

10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, California 92602

AEI Project Number: 477333

AEI



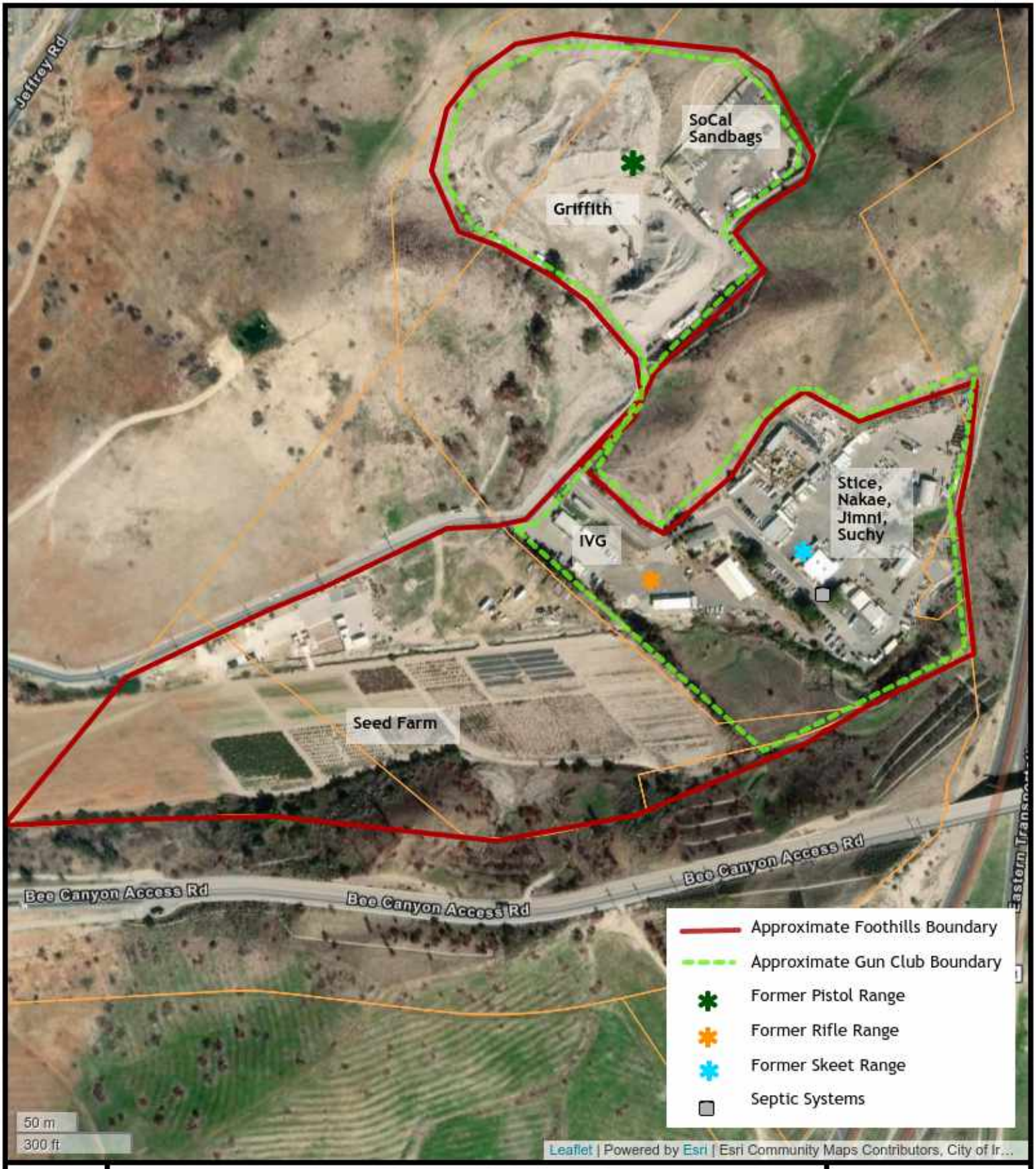
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FIGURE 3: SITE PLAN GATEWAY

10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, California 92602

AEI Project Number: 477333

AEI



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FIGURE 3: SITE PLAN FOOTHILLS

10851, 10405, 11153, 11159, 11405, 11491, 11501 11502, 11911 Jeffrey Road, Irvine, California 92602

AEI Project Number: 477333

AEI

APPENDIX B

PROPERTY PHOTOGRAPHS



1. Southeastern boundary



2. Agricultural/field area



3. Agricultural/field area



4. Agricultural/field area



5. Culvert; near Etchandy Farms



6. Culvert; near Seed Farm



7. Re-silting basins



8. Re-silting basins



9. Irrigation system



10. Irrigation system



11. Etchandy Farms



12. Office and warehouse; Etchandy Farms



13. Warehouse; Etchandy Farms



14. Workshop; Etchandy Farms



15. Welding tanks; Etchandy Farms



16. New motor fluids; Etchandy Farms



17. Equipment; Etchandy Farms



18. Storage containers; Etchandy Farms



19. Waste oil AST; Etchandy Farms



20. Secondary containment for AST; building 1



21. Gasoline AST; Etchandy Farms



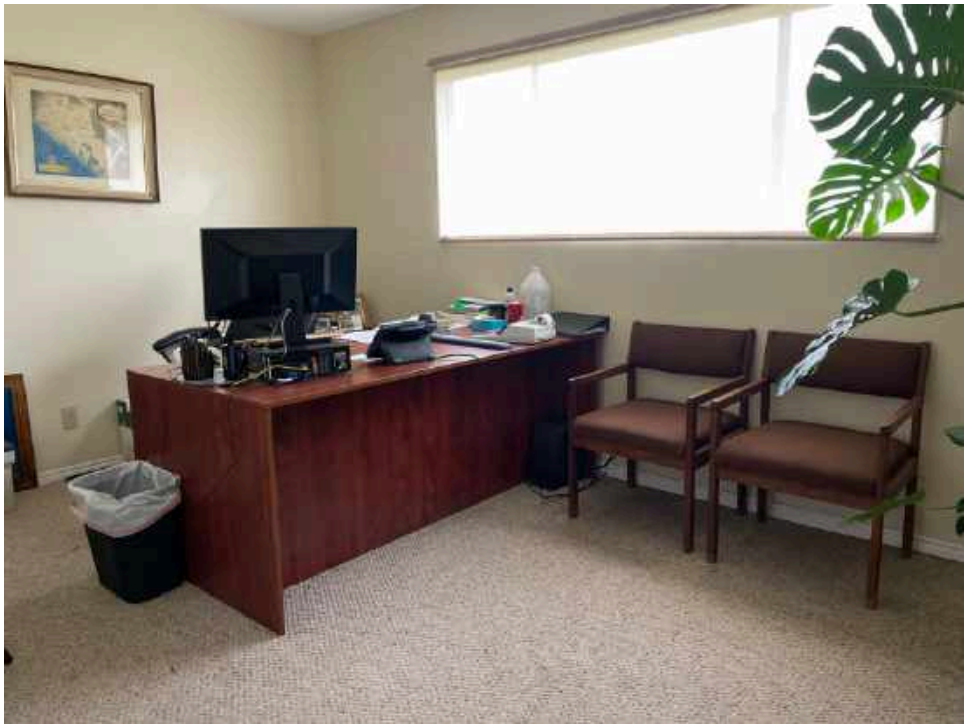
22. 500-gallon diesel AST's; Etchandy Farms



23. Spill on soil outside secondary containment container



24. Used filters; Etchandy Farms



25. Pinnacle Farms



26. Pinnacle Farms



27. Old labor camp/vacant



28. Old labor camp/vacant



29. Boneyard; Etchandy Farms



30. Boneyard; Etchandy Farms



31. Boneyard; Pinnacle Farms



32. Bone yard; Pinnacle Farms



33. Empty totes; Pinnacle Farms



34. Empty totes near large propane tank



35. Debris; near large propane tank



36. Concrete debris; near propane tank



37. Debris; near large propane tank



38. Motor fluids; near large propane tank



39. Motor fluids; near large propane tank



40. Farm/vacant land



41. Seed Farm



42. Seed Farm



43. Seed Farm storage containers



44. Seed Farm storage containers



45. Office and storage yard; Best Management Construction Inc.



46. Storage yard; Best Management Construction Inc.



47. Wood mulch; Best Management Construction Inc.



48. Erosion control; Best Management Construction Inc.



49. Office; IVG/Irvine Company



50. Office; IVG/Irvine Company



51. Office; IVG/Irvine Company



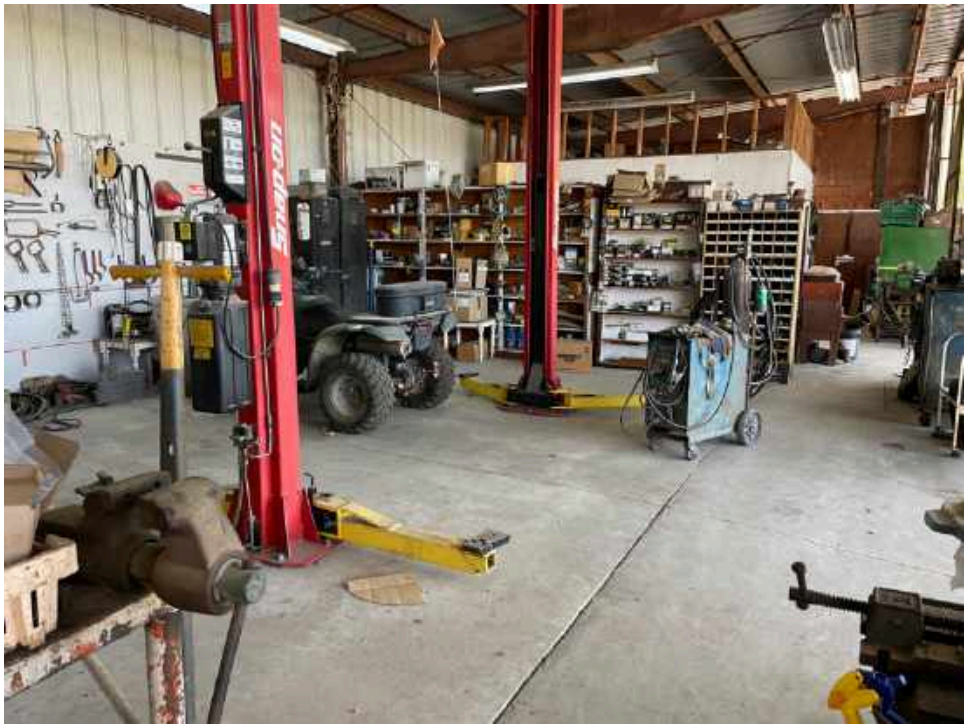
52. Storage yard; IVG



53. Maintenance shop; IVG



54. Chemical storage and irrigation supply; IVG



55. Above ground lift; IVG



56. 1,000-gallon diesel AST; IVG



57. 500-gallon waste oil AST; IVG



58. Oil filter compactor; IVG



59. Motor fluids; IVG



60. Waste hydraulic fluid; IVG



61. Motor fluids; IVG



62. Various motor fluids; IVG



63. Pest control; IVG



64. Herbicide; IVG



65. Insecticide; IVG



66. Welding tanks; IVG



67. Boneyard; IVG



68. Boneyard; IVG



69. Some litter used for clean up



70. Stice Construction



71. Office; Stice Construction



72. Work area; Stice Construction



73. Motor fluids; Stice Construction



74. Waste oil AST; Stice Construction



75. Propane and welding tanks; Stice Construction



76. Motor oil; Stice Construction



77. Nakae & Associates



78. Office; Nakae & Associates



79. Storage yard; Nakae



80. Above ground lift; Nakae



81. 5,000-gallon, 2 compartment diesel AST; Nakae



82. Secondary containment; Nakae



83. 500-gallon gasoline AST; Nakae



84. Waste oil AST; Nakae



85. Job site materials; Nakae



86. Fertilizers/Herbicides; Nakae



87. Pesticides for weed control; Nakae



88. Motor fluids; Nakae maintenance shop



89. Waste motor fluids; Nakae



90. Motor fluids; Nakae



91. Welding tanks; Nakae



92. Emergency generator; Nakae and Stice



93. Jimni Pump and Control Specialists



94. Suchy Trenching Inc; not accessible



95. Methanol; Suchy Trenching



96. Roadway to construction companies



97. Storage yard; Stice Construction



98. Large equipment yard; Stice Construction



99. Griffith Construction



100. Griffith Construction



101. Griffith Construction



102. Griffith Construction



103. Spilled motor fluids, empty; Griffith Construction



104. 500-gallon diesel fuel AST; Griffith Construction



105. Motor fluids; Griffith Construction



106. SoCal Sandbags



107. 500-gallon fuel ASTs; SoCal Sandbags



108. Generator and office; SoCal Sandbags



109. Vacant land; near IVG



110. Vacant land; between labor camp and seed farm



111. Irrigation storage yard; north of Pinnacle Farms



112. Concrete and building debris; north of Pinnacle Farms



113. Debris; north of Pinnacle Farms



114. Propane tank; near Jeffrey Road



115. Propane tanks; near Jeffrey Road



116. Propane tank; former labor camp



117. Septic system



118. Septic system



119. Dry type transformer



120. MWD equipment; north of Seed Farm



121. Northeast adjoining property; undeveloped land



122. Northwest adjoining property across Jeffrey Road; vacant land



123. Southeast adjoining property; vacant land



124. Southwest adjoining properties across Portola Parkway; residential



125. Southwest adjoining properties across Portola Parkway; residential



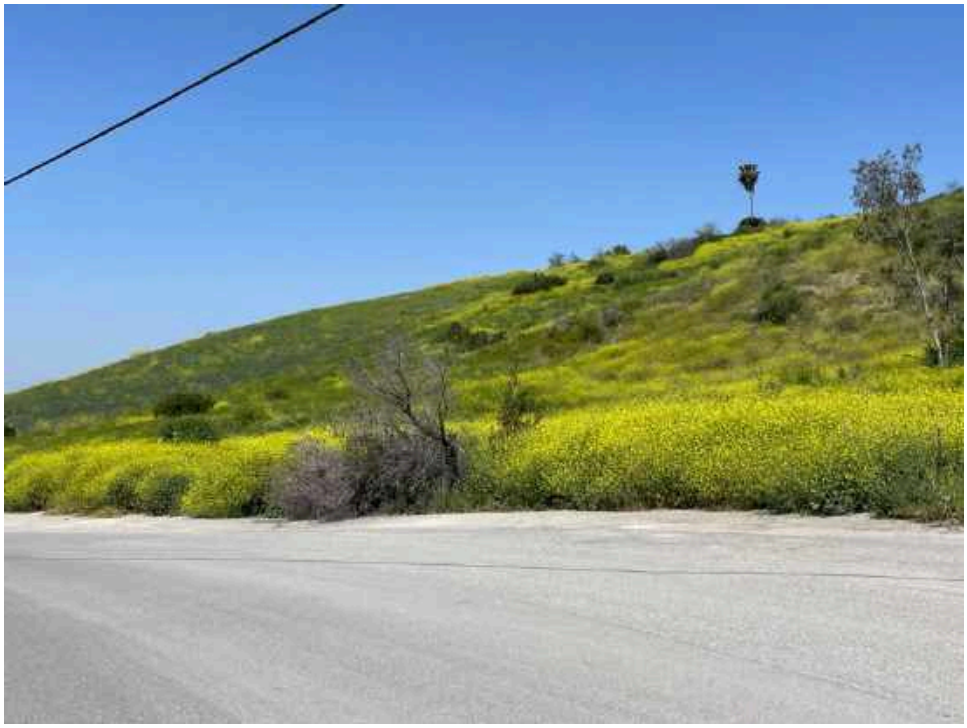
126. Northwest adjoining property across Jeffrey Road; substation



127. Northwest adjoining property across Jeffrey Road; vacant land



128. Northwest adjoining property across Jeffrey Road; vacant land



129. Northwest adjoining property across unnamed road; undeveloped land



130. Northwest adjoining property across unnamed road; undeveloped land

APPENDIX C

REGULATORY DATABASE

477333
10671 Jeffrey Road
Irvine, CA 92602

Inquiry Number: 7301405.2s
April 06, 2023

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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Government Records Searched/Data Currency Tracking	GR-1

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Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-16
Physical Setting Source Map Findings	A-18
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

10671 JEFFREY ROAD
IRVINE, CA 92602

COORDINATES

Latitude (North):	33.7186850 - 33ˆ 43' 7.26''
Longitude (West):	117.7301630 - 117ˆ 43' 48.58''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	432347.3
UTM Y (Meters):	3731010.8
Elevation:	427 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5636489 EL TORO, CA
Version Date:	2012
Southwest Map:	5640942 TUSTIN, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
10671 JEFFREY ROAD
IRVINE, CA 92618

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ALL AMERICAN ASPHALT	10671 JEFFREY	UST		TP
A2	STORMIRVINE	10671 JEFFREY RD	WDS		TP
A3	ALL AMERICAN ASPHALT	10671 JEFFREY RD	CERS HAZ WASTE, CERS TANKS, NPDES, CIWQS, CERS		TP
A4	ALL AMERICAN ASPHALT	10671 JEFFREY RD	EMI		TP
A5	ALL AMERICAN ASPHALT	10671 JEFFREY	HAZNET, HWTS		TP
A6	ALL AMERICAN ASPHALT	10671 JEFFREY RD	UST		TP
A7	ALL AMERICAN ASPHALT	10671 JEFFREY	RCRA NonGen / NLR		TP
A8		10671 JEFFREY RD	AST		TP
A9	ALL AMERICAN ASPHALT	10671 JEFFREY RD	FINDS, ECHO		TP
A10	ALL AMERICAN ASPHALT	10671 JEFFREY RD	UST		TP
11	BOB MC GRANN CONSTRU	11502 1/2 JEFFREY RD	HAZNET, HWTS		TP
B12	JBR ENGINEERING, INC	11502 JEFFREY RD	CERS		TP
B13	BEST MANAGEMENT CONS	11502 1/2 JEFFREY RD	FINDS, ECHO		TP
B14	BEST MANAGEMENT CONS	11502 1/2 JEFFREY RD	HAZNET, HWTS		TP
B15	NAGAE LANDSCAPING	11501 JEFFREY RD	FINDS, ECHO		TP
16	EL MODENO GARDENS	11911 JEFFREY RD	CA FID UST, Orange Co. Industrial Site, CERS		TP
C17	IRVINE VALENCIA GROW	11501 JEFFREY RD	FINDS, ECHO		TP
C18	SUCHY TRENCHING INC	11501 JEFFREY RD	FINDS, ECHO		TP
19	GATEWAY PARK STOCKPI	SOUTH OF JEFFERY ROA	CIWQS, CERS		TP
D20	STICE COMPANY	10851 JEFFREY RD	HAZNET, HWTS		TP
D21	NAKAE & ASSOCIATES,	11159 JEFFREY RD	FINDS, ECHO		TP
D22	GRIFFITH CO INC	11501 JEFFREY RD	HWTS		TP
Reg	EL TORO MARINE CORPS	EL TORO MARINE CORPS	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG, US ENG..	Same	5070, 0.960, SSE
E23	IRVINE VALENCIA GROW	11501 JEFFREY RD	CERS HAZ WASTE, CERS TANKS, CERS	Higher	60, 0.011, ENE
E24	IRVINE VALENCIA GROW	11501 JEFFREY RD	CPS-SLIC, CERS HAZ WASTE, Orange Co. Industrial...	Higher	60, 0.011, ENE
25	ORANGE COUNTY PRODUC	11405 JEFFREY RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	145, 0.027, East
F26	NAKAE & ASSOCIATES I	11159 JEFFREY RD	CPS-SLIC, CERS HAZ WASTE, CERS TANKS, Orange Co....	Higher	512, 0.097, North
F27	NAKAE & ASSOCIATES I	11159 JEFFREY RD	AST	Higher	512, 0.097, North
F28	LANDFILLBOWERMAN	SAND CANYON RD	WMUDS/SWAT, WDS	Higher	651, 0.123, North
29	STICE COMPANY INC	10851 JEFFREY RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	1120, 0.212, NNE
G30	TUSTIN NATIL GUARD R		FUDS	Higher	1520, 0.288, East
G31	RIFLE RANGE		UXO	Higher	1520, 0.288, East
32	PROPOSED STONEGATE E	IRVINE BOULEVARD/GRO	ENVIROSTOR, SCH	Lower	2462, 0.466, SSW
33	PA 5B ELEMENTARY SCH	INTERSECTION OF IRVI	ENVIROSTOR, SCH	Lower	4019, 0.761, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ALL AMERICAN ASPHALT 10671 JEFFREY IRVINE, CA 92602	UST Database: ORANGE CO. UST, Date of Government Version: 05/24/2022 Facility Id: FA0025094 Facility Id: FA25094	N/A
STORMIRVINE 10671 JEFFREY RD IRVINE, CA 92720	WDS Facility Status: A Facility Id: 8 30I011135	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY RD IRVINE, CA 92602	CERS HAZ WASTE CERS TANKS NPDES Facility Status: Active CIWQS CERS	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY RD IRVINE, CA 92602	EMI Facility Id: 82207	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY IRVINE, CA 92720	HAZNET GEPAID: CAL000176192 HWTS	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY RD IRVINE, CA 92602	UST Database: UST, Date of Government Version: 12/02/2022 Facility Id: 20036	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY IRVINE, CA 92720	RCRA NonGen / NLR EPA ID:: CAL000176192	CAL000176192
10671 JEFFREY RD 10671 JEFFREY RD IRVINE, CA	AST Database: AST, Date of Government Version: 07/06/2016	N/A
ALL AMERICAN ASPHALT 10671 JEFFREY RD IRVINE, CA 92602	FINDS	N/A

	Registry ID:: 110070089285 ECHO Registry ID: 110070089285	
ALL AMERICAN ASPHALT 10671 JEFFREY RD IRVINE, CA 92602	UST Database: UST, Date of Government Version: 12/02/2022 Facility Id: FA0025094	N/A
BOB MC GRANN CONSTRU 11502 1/2 JEFFREY RD IRVINE, CA 92602	HAZNET GEPAID: CAL000238210 HWTS	N/A
JBR ENGINEERING, INC 11502 JEFFREY RD IRVINE, CA 92602	CERS	N/A
BEST MANAGEMENT CONS 11502 1/2 JEFFREY RD IRVINE, CA 92602	FINDS Registry ID:: 110070452838 ECHO Registry ID: 110070452838	N/A
BEST MANAGEMENT CONS 11502 1/2 JEFFREY RD IRVINE, CA 92602	HAZNET GEPAID: CAC002844882 HWTS	N/A
NAGAE LANDSCAPING 11501 JEFFREY RD IRVINE, CA 92602	FINDS Registry ID:: 110021037796 ECHO Registry ID: 110021037796	N/A
EL MODENO GARDENS 11911 JEFFREY RD IRVINE, CA 92720	CA FID UST Facility Id: 30009420 Status: A Orange Co. Industrial Site Current Status: CLOSED 9/23/2010 Case ID: 10IC003 CERS	N/A
IRVINE VALENCIA GROW 11501 JEFFREY RD IRVINE, CA 92602	FINDS Registry ID:: 110070467048 ECHO Registry ID: 110070467048	N/A
SUCHY TRENCHING INC 11501 JEFFREY RD IRVINE, CA 92602	FINDS	N/A

	Registry ID:: 110070449715 ECHO Registry ID: 110070449715	
GATEWAY PARK STOCKPI SOUTH OF JEFFERY ROA IRVINE, CA 92620	CIWQS CERS	N/A
STICE COMPANY 10851 JEFFREY RD IRVINE, CA 92602	HAZNET GEPAID: CAC002948895 GEPAID: CAC003106371 HWTS	N/A
NAKAE & ASSOCIATES, 11159 JEFFREY RD IRVINE, CA 92602	FINDS Registry ID:: 110070456556 ECHO Registry ID: 110070456556	N/A
GRIFFITH CO INC 11501 JEFFREY RD IRVINE, CA 92720	HWTS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

EXECUTIVE SUMMARY

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST ---------- Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

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
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

EXECUTIVE SUMMARY

MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)

EXECUTIVE SUMMARY

PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
PFAS TRIS List of PFAS Added to the TRI
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL TORO MARINE CORPS Cerclis ID:: 902770 EPA Id: CA6170023208	***EL TORO MARINE CORPS***	***SSE 1/2 - 1 (0.960 mi.)***	***0***	***103***

EXECUTIVE SUMMARY

Lists of Federal RCRA facilities undergoing Corrective Action

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

A review of the CORRACTS list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL TORO MARINE CORPS	***EL TORO MARINE CORPS***	***SSE 1/2 - 1 (0.960 mi.)***	***0***	***103***
EPA ID:: CA6170023208				

Lists of state- and tribal hazardous waste facilities

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 ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED STONEGATE E	***IRVINE BOULEVARD/GRO***	***SSW 1/4 - 1/2 (0.466 mi.)***	***32***	***305***
Facility Id: 60000577				
Status: No Further Action				
PA 5B ELEMENTARY SCH	***INTERSECTION OF IRVI***	***WSW 1/2 - 1 (0.761 mi.)***	***33***	***308***
Facility Id: 60002131				
Status: No Further Action				

Lists of state and tribal leaking storage tanks

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

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRVINE VALENCIA GROW	***11501 JEFFREY RD***	***ENE 0 - 1/8 (0.011 mi.)***	***E24***	***226***
Database: CPS-SLIC, Date of Government Version: 03/06/2023				

Facility Status: Completed - Case Closed
Global Id: T10000018310

NAKAE & ASSOCIATES I	***11159 JEFFREY RD***	***N 0 - 1/8 (0.097 mi.)***	***F26***	***253***

Database: CPS-SLIC, Date of Government Version: 03/06/2023
Facility Status: Open - Site Assessment
Global Id: T10000017539

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAKAE & ASSOCIATES I	11159 JEFFREY RD	N 0 - 1/8 (0.097 mi.)	F27	267

Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

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

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LANDFILLBOWERMAN	***SAND CANYON RD***	***N 0 - 1/8 (0.123 mi.)***	***F28***	***268***

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRVINE VALENCIA GROW	***11501 JEFFREY RD***	***ENE 0 - 1/8 (0.011 mi.)***	***E23***	***223***
IRVINE VALENCIA GROW	***11501 JEFFREY RD***	***ENE 0 - 1/8 (0.011 mi.)***	***E24***	***226***
ORANGE COUNTY PRODUC	***11405 JEFFREY RD***	***E 0 - 1/8 (0.027 mi.)***	***25***	***237***
NAKAE & ASSOCIATES I	***11159 JEFFREY RD***	***N 0 - 1/8 (0.097 mi.)***	***F26***	***253***
STICE COMPANY INC	***10851 JEFFREY RD***	***NNE 1/8 - 1/4 (0.212 mi.)***	***29***	***270***

Local Lists of Registered Storage Tanks

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IRVINE VALENCIA GROW	***11501 JEFFREY RD***	***ENE 0 - 1/8 (0.011 mi.)***	***E23***	***223***
NAKAE & ASSOCIATES I	***11159 JEFFREY RD***	***N 0 - 1/8 (0.097 mi.)***	***F26***	***253***

Other Ascertainable Records

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

A review of the FUDS list, as provided by EDR, and dated 11/01/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TUSTIN NATIL GUARD R		E 1/4 - 1/2 (0.288 mi.)	G30	303

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EL TORO MARINE CORPS EPA ID:: CA6170023208	***EL TORO MARINE CORPS***	***SSE 1/2 - 1 (0.960 mi.)***	***0***	***103***

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 11/09/2021 has revealed that there is 1 UXO site within approximately 1 mile of the target property.

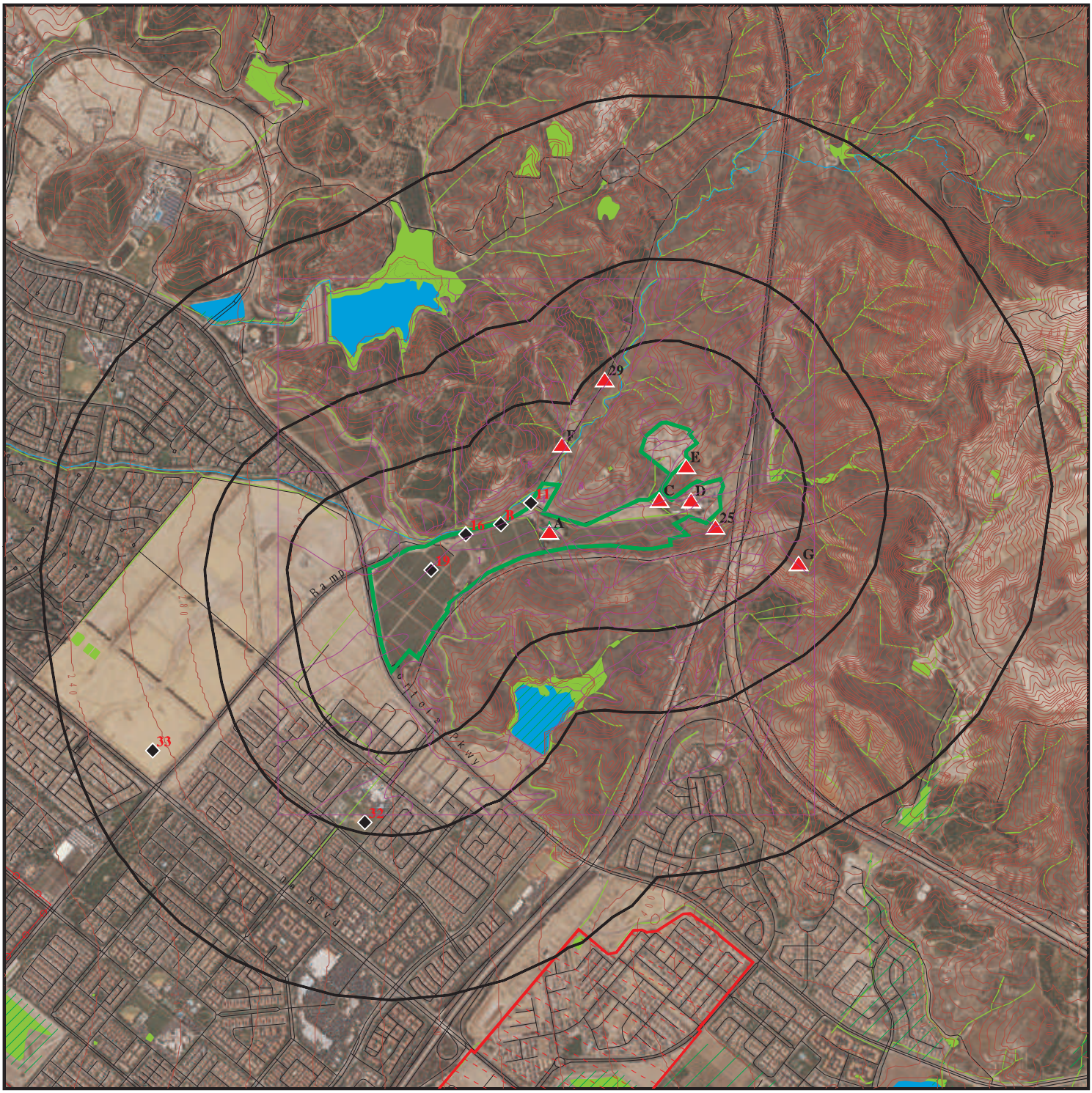
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIFLE RANGE		E 1/4 - 1/2 (0.288 mi.)	G31	304

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
QUICKEL PAVING, INC - YARD	CERS HAZ WASTE
STONEGATE DEVELOPMENT	CPS-SLIC, Orange Co. Industrial Site
EL MODENO GARDENS	CPS-SLIC

OVERVIEW MAP - 7301405.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

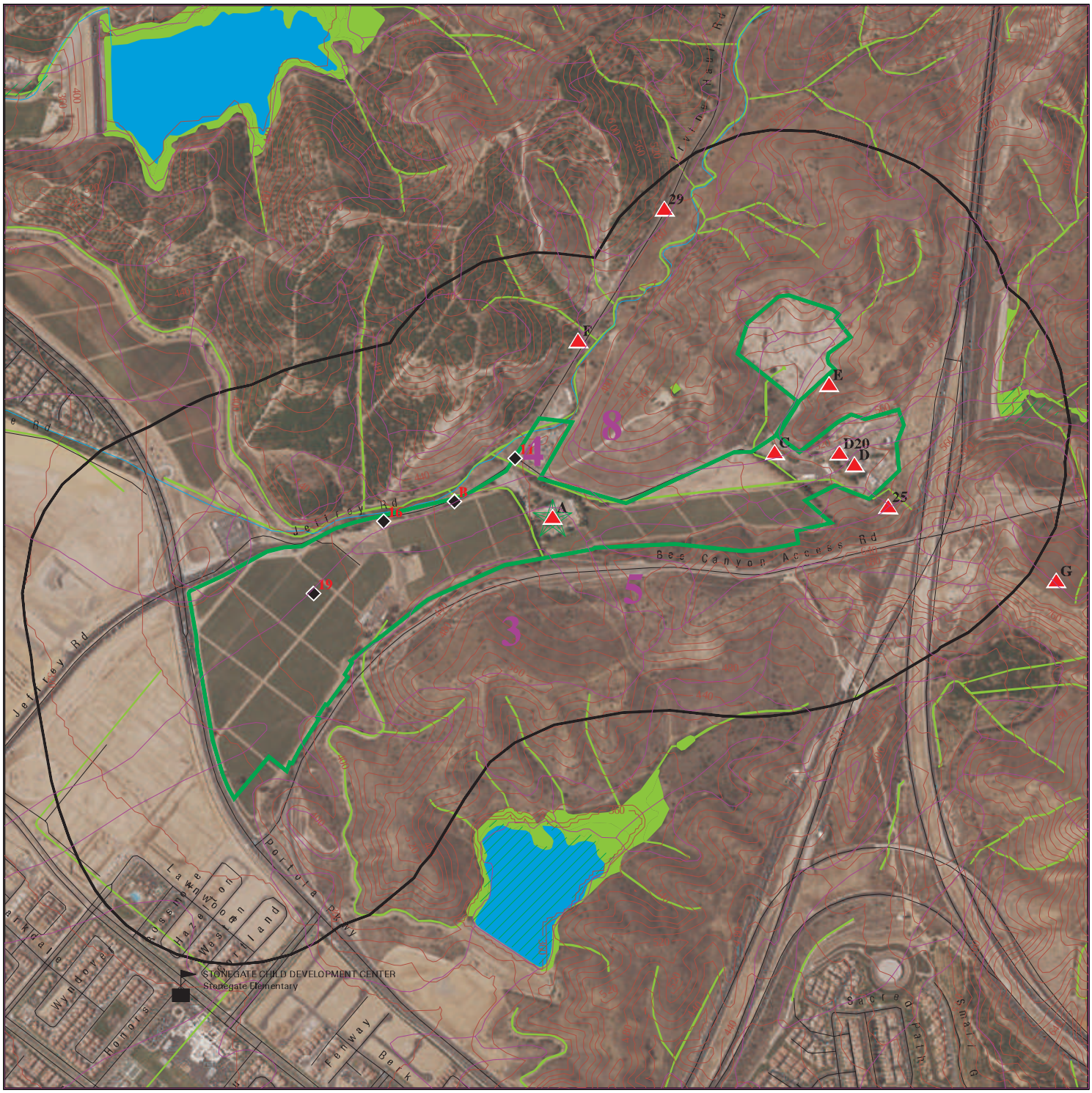
N

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

SITE NAME:	477333	CLIENT:	AEI Consultants
ADDRESS:	10671 Jeffrey Road Irvine CA 92602	CONTACT:	Johanan Supnet
		INQUIRY #:	7301405.2s
LAT/LONG:	33.718685 / 117.730163	DATE:	April 06, 2023 5:05 pm

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DETAIL MAP - 7301405.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

N

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

SITE NAME:	477333	CLIENT:	AEI Consultants
ADDRESS:	10671 Jeffrey Road Irvine CA 92602	CONTACT:	Johanan Supnet
		INQUIRY #:	7301405.2s
LAT/LONG:	33.718685 / 117.730163	DATE:	April 06, 2023 5:10 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								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
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 CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	1	1	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	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
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	0	NR	NR	2
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	3	0	0	NR	NR	NR	3
AST	0.250	1	1	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		1	0	0	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	1	4	1	NR	NR	NR	6
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250	1	0	0	NR	NR	NR	1
CERS TANKS	0.250	1	2	0	NR	NR	NR	3
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Orange Co. Industrial Site	TP	1	NR	NR	NR	NR	NR	1
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	0	0	NR	NR	NR	1
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	1	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	6	NR	NR	NR	NR	NR	6
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	6	NR	NR	NR	NR	NR	6
UXO	1.000		0	0	1	0	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	1	NR	NR	NR	NR	NR	1
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP	4	NR	NR	NR	NR	NR	4
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP	1	NR	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	2	NR	NR	NR	NR	NR	2
CERS	TP	4	NR	NR	NR	NR	NR	4
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
HWTS	TP	5	NR	NR	NR	NR	NR	5
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

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
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		39	10	1	3	4	0	57

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **ALL AMERICAN ASPHALT** **UST** **U003895319**
Target **10671 JEFFREY** **N/A**
Property **IRVINE, CA 92602**

Site 1 of 10 in cluster A

Actual: **427 ft.**

ORANGE CO. UST:

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Facility ID:	FA0025094
Notes:	Not reported

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY
City,State,Zip:	IRVINE 92602
Facility ID:	FA25094
Notes:	Not reported

A2 **STORMIRVINE** **WDS** **S106104939**
Target **10671 JEFFREY RD** **N/A**
Property **IRVINE, CA 92720**

Site 2 of 10 in cluster A

Actual: **427 ft.**

WDS:

Name:	STORMIRVINE
Address:	10671 JEFFREY RD
City:	IRVINE
Facility ID:	Santa Ana River 30I011135
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	ALL AMERICAN ASPHALT
Agency Address:	400 E. SIXTH STREET
Agency City,St,Zip:	CORONA 928791521
Agency Contact:	DANIEL L. SISEMORE
Agency Telephone:	9097367600
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

STORMIRVINE (Continued) **S106104939**

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.

A3 Target Property **ALL AMERICAN ASPHALT, IRVINE**
10671 JEFFREY RD
IRVINE, CA 92602

Site 3 of 10 in cluster A

CERS HAZ WASTE **S105723564**
CERS TANKS **N/A**
NPDES
CIWQS
CERS

Actual: 427 ft.

CERS HAZ WASTE:
Name: ALL AMERICAN ASPHALT, IRVINE
Address: 10671 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 4250
CERS ID: 10418032
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: ALL AMERICAN ASPHALT, IRVINE
Address: 10671 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 4250
CERS ID: 10418032
CERS Description: Aboveground Petroleum Storage

Name: ALL AMERICAN ASPHALT, IRVINE
Address: 10671 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 4250
CERS ID: 10418032
CERS Description: Underground Storage Tank

NPDES:
Name: ALL AMERICAN ASPHALT
Address: 10671 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Facility Status: Active
NPDES Number: CAS000001
Region: 8
Agency Number: 0
Regulatory Measure ID: 208752
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 8 30I011135
Regulatory Measure Type: Enrollee

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/25/1994
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 2229
Discharge Name:	All American Asphalt
Discharge City:	Corona
Discharge State:	California
Discharge Zip:	92878
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	208752
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 30I011135
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	08/25/1994
Status:	Active
Status Date:	08/25/1994
Place Size:	10
Place Size Unit:	Acres
Contact:	Rick Acosta
Contact Title:	foreman
Contact Phone:	949-786-1290
Contact Phone Ext:	Not reported
Contact Email:	racosta@allamericanasphalt.com
Operator Name:	All American Asphalt
Operator Address:	PO Box 2229
Operator City:	Corona
Operator State:	California
Operator Zip:	92878
Operator Contact:	Danny Stinson
Operator Contact Title:	Operations Manager
Operator Contact Phone:	951-736-7600
Operator Contact Phone Ext:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Operator Contact Email:	dstinson@allamericanasphalt.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-786-1290
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rattle Snake Canyon Wash
Certifier:	Daniel Stinson
Certifier Title:	Operations Manager
Certification Date:	28-MAY-15
Primary Sic:	2951-Asphalt Paving Mixtures and Blocks
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	208752
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 30I011135
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/25/1994
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	All American Asphalt
Discharge Address:	PO Box 2229
Discharge City:	Corona
Discharge State:	California
Discharge Zip:	92878
Received Date:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 30I011135
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	08/25/1994
Operator Name:	All American Asphalt
Operator Address:	PO Box 2229
Operator City:	Corona
Operator State:	California
Operator Zip:	92878

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	208752
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 30I011135
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	08/25/1994
Status:	Active
Status Date:	08/25/1994
Place Size:	10
Place Size Unit:	Acres
Contact:	Rick Acosta
Contact Title:	foreman

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Contact Phone:	949-786-1290
Contact Phone Ext:	Not reported
Contact Email:	racosta@allamericanasphalt.com
Operator Name:	All American Asphalt
Operator Address:	PO Box 2229
Operator City:	Corona
Operator State:	California
Operator Zip:	92878
Operator Contact:	Danny Stinson
Operator Contact Title:	Operations Manager
Operator Contact Phone:	951-736-7600
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dstinson@allamericanasphalt.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	949-786-1290
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rattle Snake Canyon Wash
Certifier:	Daniel Stinson
Certifier Title:	Operations Manager
Certification Date:	28-MAY-15
Primary Sic:	2951-Asphalt Paving Mixtures and Blocks
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	208752
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

WDID:	8 30I011135
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/25/1994
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	All American Asphalt
Discharge Address:	PO Box 2229
Discharge City:	Corona
Discharge State:	California
Discharge Zip:	92878
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Agency:	All American Asphalt
Agency Address:	PO Box 2229, Corona, CA 92878
Place/Project Type:	Industrial - Asphalt Paving Mixtures and Blocks
SIC/NAICS:	2951
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 30I011135
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	08/25/1994
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.7342
Longitude:	-117.72616

CERS:

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Site ID:	525799
CERS ID:	259059
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	525799
Site Name:	All American Asphalt
Violation Date:	07-03-2000
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Non-submittal of Annual Report. Due 7/1/2000
Violation Division:	Water Boards
Violation Program:	INDSTW

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Violation Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Violation Date: 08-26-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: SWPPP not on site.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Violation Date: 08-26-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: SWPPP needs to be maintained regularly.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Violation Date: 07-02-2007
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2006-2007 Annual Report by 7/1/07 due date.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Violation Date: 03-28-2001
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: No documentation of monthly wet observations or unauth non-sw disch in previous Ars due to personnel problems. Unacceptable excuse as to why 2 storms were not sampled for 95-96, 97-98, 98-99, 99-00 (personnel problems)
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Violation Date: 07-01-2003
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of annual report. Due 7-1-03.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Eval Date: 08-26-2002
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Inspection under dry and sunny weather conditions. Reviewed the WQMP and SWPPP-related documents and spoke with Pat about the necessity to have an updated SWPPP. Facility was implementing the SWPPP without having a current one on site through the help of KCT consultants. Contacted Dan Keper at KCT, 909-341-8940 Ext 222. Dan assured that a current SWPPP was sent to the facility before and a new copy would be sent. Pat McClure gave a detailed tour. This included storm water run on diversion structures including V-ditches above the property and a desilting area. He described maintenance procedures. Pat showed the flow paths throught the facilty and a detention area below the facility. He described maintenance procedures and showed sampling points. Pat also showed secondary containment around 2 large areas of the plant. He showed where a spill of tar had recently occurred and showed how it had been cleaned up. There were, "pig" type BMPs surrounding CBI and discharge points that are replaced periodically. Housekeeping was very good overall.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Enforcement Action:
Site ID: 525799
Site Name: All American Asphalt
Site Address: 10671 JEFFREY RD
Site City: IRVINE
Site Zip: 92602
Enf Action Date: 03-28-2001
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: No documentation of monthly wet observations or unauth non-sw disch in previous Ars due to personnel problems. Unacceptable excuse as to why 2 storms were not sampled for 95-96, 97-98, 98-99, 99-00 (personnel problems)
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 525799
Site Name: All American Asphalt
Site Address: 10671 JEFFREY RD
Site City: IRVINE
Site Zip: 92602
Enf Action Date: 05-16-2001
Enf Action Type: Staff Enforcement Letter
Enf Action Description: Staff Enforcement Letter
Enf Action Notes: SECOND NOTICE: No documentation of monthly wet observations or unauth non-sw disch in previous Ars due to personnel problems. Unacceptable excuse as to why 2 storms were not sampled for 95-96, 97-98, 98-99, 99-00 (personnel problems)
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 525799

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Site Name:	All American Asphalt
Site Address:	10671 JEFFREY RD
Site City:	IRVINE
Site Zip:	92602
Enf Action Date:	07-24-2003
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Non-submittal of annual report. Due 7-1-03.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	525799
Site Name:	All American Asphalt
Site Address:	10671 JEFFREY RD
Site City:	IRVINE
Site Zip:	92602
Enf Action Date:	07-26-2000
Enf Action Type:	Notice of Violation
Enf Action Description:	Notice of Violation
Enf Action Notes:	Non-submittal of Annual Report. Due 7/1/2000
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	525799
Site Name:	All American Asphalt
Site Address:	10671 JEFFREY RD
Site City:	IRVINE
Site Zip:	92602
Enf Action Date:	08-01-2007
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	Failure to submit 2006-2007 Annual Report by 7/1/07 due date.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	525799
Site Name:	All American Asphalt
Site Address:	10671 JEFFREY RD
Site City:	IRVINE
Site Zip:	92602
Enf Action Date:	08-26-2002
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	SWPPP needs to be maintained regularly.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	525799
Site Name:	All American Asphalt
Site Address:	10671 JEFFREY RD
Site City:	IRVINE
Site Zip:	92602
Enf Action Date:	08-26-2002

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	SWPPP not on site.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	All American Asphalt
Entity Title:	Operator
Affiliation Address:	PO Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92878
Affiliation Phone:	,

Name:	ALL AMERICAN ASPHALT, IRVINE
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Site ID:	4250
CERS ID:	10418032
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-30-2014
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 02/10/2014. Documentation of daily inspections was not kept. Maintain a log documenting inspections on site for review. Per the SPCC plan, inspections must be conducted a minimum of once per month. Send a copy of the log to this agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-20-2015
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.

Violation Notes: Returned to compliance on 01/20/2015. The light bulb on the overfill alarm was not functioning on arrival. The light was repaired, retested and passed. This violation is abated. No further action is required.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Inspection found the locations of hazardous materials were not as reported on the inventory forms. Also, additional hazardous materials (antifreeze/coolant, ECO sorb odor control), which were not disclosed, were observed on site above respective reporting thresholds. Totes, unmarked, were storing unknowns in the area of the outside compressed gas storage. Please update inventory forms to be accurate and submit electronically using CERS.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-22-2018
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 01/30/2018. UST monitoring plan identified overfill protection to include visual and audible alarms. Inspection found ATG light not working. Repair to provide visual alarm. Submit copy of repair work order to this Agency.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-23-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

	once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes:	Returned to compliance on 03/22/2018. SPCC plan was most recently reviewed 1-10-13. It's 5 year review is overdue. Complete and document the 5 year review and submit verification of proper completion.
Violation Division:	Orange County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	03-25-2020
Citation:	HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 11/24/2020. Received secondary containment test results dated 1-28-2020 The tightness test result for the DIESEL - FILL RISER SUMP = FAIL Submit plans to complete sump repairs within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-22-2018
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 03/23/2018. Copies of hazardous waste disposal records were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. Locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to this Agency for our review.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-20-2015
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	Failure to maintain all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment.
Violation Notes:	Returned to compliance on 01/20/2015. The float did not stop the flow of product at the dispenser. The float was repaired, the assembly

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

retested and passed. This violation is abated. No further action is required.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 07-18-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 07/23/2019. OBSERVATION: Facility did not comply with the following DO monthly inspection requirement: DO inspections conducted after 9/30/2018 must be every 30 days and in accordance with sections 2716(a)-(e). Observed DO reports from 10/25/18, 11/23/18, 12/21/18, and 1/21/19 that were incomplete due to missing Section VI. Owner/Operator Acknowledgement of Compliance Issues. Observed DO reports dated 2/20/2019, 3/21/2019, and 4/20/2019 that did not have Section VI. Owner/Operator Acknowledgement of Compliance Issues signed within 48 hours. CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-25-2019
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 05/16/2019. OBSERVATION: Spill bucket failed visual test. CORRECTIVE ACTION: Repair and/or replace the failed spill bucket within 30 days and send work order information to this Agency with passing results.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Site Name:	All American Asphalt, Irvine
Violation Date:	01-25-2019
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 07/18/2019. OBSERVATION: Facility did not comply with the following DO monthly inspection requirement: DO inspections conducted after 9/30/2018 must be every 30 days and in accordance with sections 2716(a)-(e). Observed DO reports from 10/25/18, 11/23/18, 12/21/18, and 1/21/19 that were incomplete due to missing Section VI. Owner/Operator Acknowledgement of Compliance Issues. CORRECTIVE ACTION: Ensure that DO is complying with all the requirements noted above. Submit copy of compliant DO inspection record.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-22-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/23/2018. The acting foreman identified two unmarked drums as the facility's hazardous waste storage containers. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Labels were provided for use. Label these containers and ensure that all hazardous waste containers are marked with all the required information. Notify this Agency once completed.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-23-2018
Citation:	HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description:	Failure to include in the SPCC plan an adequate description of employee training. Training shall address, at a minimum: operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; content of the facility SPCC plan; and annual discharge prevention briefings for oil-handling personnel to assure adequate understanding of the SPCC plan.
Violation Notes:	Returned to compliance on 03/22/2018. Facility's "oil handling" personal were not current in their annual SPCC training. Facility must

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

provide spill prevention briefings at least once a year. Conduct spill prevention briefing. Provide compliance verification.

Violation Division: Orange County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-21-2020
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 01/21/2020. OBSERVATION: The plot plan was missing the UDC sensor at the time of inspection. The plot plan must show the location of the of the underground storage tank(s), piping, auxiliary equipment, monitoring system panel, sensors, leak detectors, ATGs and other monitoring equipment, as applicable. Submit a current plot plan to the California Electronic Reporting System (CERS) within 30 days. CORRECTIVE ACTION: This was corrected during the inspection when John Gardner added the UDC sensor to the plot plan.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-25-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 05/16/2019. OBSERVATION: The overfill inspection indicated that the flapper valve was incorrectly sized at 97.5%. The flapper must be installed at 95%. CORRECTIVE ACTION: Repair or replace the flapper valve so that it is sized at 95%. Submit

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

	results showing installation of flapper at 95% to this Agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-20-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/08/2016. Certification of Financial Responsibility expired on 2/17/15. Obtain new Certification and post electronically within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-25-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 05/16/2019.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-21-2020
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 01/21/2020. OBSERVATION: The plot plan was missing the UDC sensor at the time of inspection. The plot plan must show the location of the of the underground storage tank(s), piping, auxiliary equipment, monitoring system panel, sensors, leak detectors, ATGs and other monitoring equipment, as applicable. Submit a current plot plan to the California Electronic Reporting System (CERS) within 30 days. CORRECTIVE ACTION: This was corrected during the inspection when John Gardner added the UDC sensor to the plot plan.
Violation Division:	Orange County Environmental Health
Violation Program:	UST
Violation Source:	CERS,

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-22-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Inspection found hazardous materials stored throughout the yard in areas not identified as hazardous material storage areas on the map. Also, the location of the gas shutoff, electrical panel, and the truck spray down area were incorrect. Please confirm locations and update map to be accurate. Revise and submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-23-2018
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	APSA Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 03/22/2018. The SPCC plan requires updating to be accurate. The described APSA regulated inventory does not match the APSA regulated inventory observed on site. Please update and submit a copy of facility's APSA regulated containers and capacities summary table
Violation Division:	Orange County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-22-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	HMBP training documentation for all applicable employees was not available for inspection. Submit documentation to this Agency demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	4250
Site Name:	All American Asphalt, Irvine
Violation Date:	01-25-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 02/14/2019. OBSERVATION: Current financial

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responsibility documents have not been submitted to the CUPA. The date was missing on the CFR submitted to CERS on 2/13/2018. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility within 30 days.

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

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-25-2022
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/28/2022. Certification of financial responsibility expired 2-12-21. Submit a current financial form on the CERS portal at https://cers.calepa.ca.gov.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-23-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 03/22/2018. Facility did not have APSA required inspection records available for inspection. Conduct tests/inspections in accordance with written procedures and maintain records for 3 years. Locate records and submit a copy of the last 3 months to this Agency for our review.
Violation Division: Orange County Environmental Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 4250
Site Name: All American Asphalt, Irvine
Violation Date: 01-20-2015
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes: Returned to compliance on 02/18/2015. A copy of the Secondary Containment test report for the most recent testing conducted on 2/5/14 has not been forwarded to this agency nor is it maintained on site. Provide a copy to this agency within 30 days and maintain a copy on site.
Violation Division: Orange County Environmental Health
Violation Program: UST
Violation Source: CERS,

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Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	08-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	The inspection was to confirm the facility s electronic hazardous materials disclosure and business plan. We reviewed the facility s Hazardous material inventory on site. We reviewed the locations of the required items to be mapped. We discussed the facility s use of CERS (California Environmental Reporting System) for their electronic HMBP submissions.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	01-20-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Received and reviewed monitoring system, leak detector and spill bucket certification dated 1/20/2015. All systems passes testing.
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	On site to witness annual Monitor System Certification and to conduct annual UST routine inspection. Technician possessed ICC Certification and Veeder Root certifications. UST System = one double walled UST (steel) =fiberglass double walled piping = mechanical leak detectors = sumps contain non discriminating sensors = 1 dispenser with a float and chain = system is monitored by a VeederRoot TLS300C, which is programmed for both positive shutdown and failsafe All sumps and UDCs appeared to be dry. The sensors in the tank annular, piping sump, and fill sump all trigger an audible and visual alarm when submerged in fluid. The float and chain in the dispenser functioned properly. Both a flapper valve and an ATG with external alarm were installed for overfill protection. ATGs were set to 90% and the external alarm sounded for more than 30 seconds. Spill bucket was tested via visual hydrostatic test method and passed. Mechanical leak detector was tested after the [Truncated]
Eval Division:	Orange County Environmental Health
Eval Program:	UST
Eval Source:	CERS,

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Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Observed facility and inspected hazardous waste storage areas. Consent to enter, inspect and take photographs was granted by Rick Acosta. Observed the facility and inspected hazardous materials storage areas. Facility has approximately 20 chemicals above threshold quantities for reporting purposes. The facility has submitted hazardous materials disclosure and business emergency plan documents electronically to the CERS database. This Agency has not yet reviewed these documents, but will notify the facility if the information is incomplete or requires modifications.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-07-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency has received and reviewed the monitoring system, leak detector and spill bucket test reports for testing conducted on 1/30/2014. Summary of test results: monitoring certification = pass leak detector = pass spill bucket = pass Inspector was on site.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received the requested document regarding the repair of the UST overfill protection visual alarm. Repairs to the veeder-root annunciator were competed 1-30-18. Violation was corrected.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. Inspection was conducted with John Gardner, Asphalt Plant Manager. Facility has disclosed 21 chemicals. While on site it was observed that business also stores Ecosorb above 55 gallons. Please add this material to your disclosure and resubmit inventory within 30 days. Site map was reviewed and appears accurate. Verified that business conducts annual emergency plan training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown

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Eval Date: 03-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received the secondary containment test report for a test conducted 1/19/17. The test report appears consistent with the OCHCA-approved testing procedure submitted by PCET, Inc. The following components PASSED testing: Tank Annulars (1) Secondary piping (1) STP Sumps (1) UDC (1)
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-07-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Previously accepted submittal declined in CERS due to: Tank Page: Fill riser primary containment is steel. Monitoring Plan: Please add UDC monitoring manufacturer (Bravo) Recordkeeping: Employees must have training by the Designated Operator Please submit revisions within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-15-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility s operations and the waste generated were discussed. The inspection included a walk behind and around the building. I did not observe hazardous waste in the facility’s trash or as run off on the ground.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-17-2017

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Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine UST inspection during the facility's annual UST Monitoring System Certification and spill bucket testing. The UST testing technician was Razvan Ross Raicu of American Tank Testing. His testing credentials were provided for review and were current. The monitoring panel was observed in operation. The UST monitoring set up and alarm history were provided for review. The UST sumps and UDCs were open for inspection. The sumps and UDC sensors were observed positioned at low points. The sumps and UDC were observed dry. UST on site documentation was reviewed. We reviewed the requirement for the facility to have a copy of facility's UST Operating Permit along with a copy of facility's UST Response Plan on site and accessible for inspection.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility's SPCC plan was PE certified 12-8-11. The plan's most recent review date was 1-10-13, signed by Danny Stinson, operations manager. The asphalt oil ASTs are exempt from APSA regulation (petroleum product is not a liquid at 60 degrees F and atmospheric pressure). Facility's hazardous materials inventory reviewed on CERS for current APSA regulated inventory information.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-20-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: UST

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Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Monitor cert notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site to witness annual Monitor System Certification and to conduct annual UST routine inspection. Technician possessed ICC Certification and Veeder Root certifications. UST System = one double walled UST (steel) =fiberglass double walled piping = mechanical leak detectors = sumps contain non discriminating sensors = 1 dispenser with a float and chain = system is monitored by a VeederRoot TLS300C, which is programmed for both positive shutdown and failsafe All sumps and UDCs appeared to be dry. The sensors in the tank annular, piping sump, and fill sump all trigger an audible and visual alarm when submerged in fluid. The float and chain in the dispenser did not stop the flow of product at the dispenser (see violation). The chain was adjusted, retested and passed. This violation is abated. No further action is required. Both a flapper valve and an ATG with external alarm were installed for overfill protection. The audible overfill alarm [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Verified information recorded in CERS is accurate; updated CERS acceptance date.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitoring system certification and spill bucket testing. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300C system. The site has double-walled pressurized piping with a mechanical line leak detector. Flapper valve is used for overfill prevention. Testing was conducted by Razvan Ross Raicu of All American Tank Testing. Tester certifications (VR, ICC, VMI) were verified. Please submit the test reports to this Agency within 30 days. Secondary containment testing was last conducted on 1/28/2020 (retested on 12/15/2020). It must be

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tested every 36 months. Overfill inspection testing was last conducted on 1/25/2019 (repaired on 5/16/2019). It must be tested every 36 months.

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitoring system certification, overfill, and spill bucket testing. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300C system. The site has double-walled pressurized piping with mechanical line leak detectors. Positive shutdown and fail safe programming were verified. Flapper valves are used for overfill prevention. Testing was conducted by Razvan Ross Raicu of All American Tank Testing. Tester certifications (VR, ICC, VMI) were verified. Please submit the test reports to this Agency within 30 days. Secondary containment testing was last conducted on 1/19/2017. It must be tested every 36 months. During the overfill inspection, the external audible/visual alarm did not function per manufacturer specifications when the ATG was set to 90%. The technician changed the light bulb for the visual alarm during today s inspection. If this facility would like to keep the external audible/visual [Truncated]

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

Eval General Type: Other/Unknown
Eval Date: 02-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed UST submission package on CERS, DENIED. Request for re-submittal this date. Reviewed UST submission package on CERS, DENIED. Request for re-submittal this date. The Certificate of Financial Responsibility and Chief Financial Officer Letter have expired. Please submit the updated versions of these documents; your facility does not need to complete the owner/operator agreement section because the owner and operator of your UST are the same All other documents are accepted.

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

Eval General Type: Other/Unknown
Eval Date: 02-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has received and reviewed monitoring system, leak detector and spill bucket testing reports dated 1/20/2015. Summary of test results: monitoring system = PASS leak detector = PASS spill bucket = PASS

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

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Eval General Type: Other/Unknown
Eval Date: 02-18-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency has received and reviewed Secondary Containment testing results for testing conducted on 2/5/2014. The following components were successfully tested: tank annular secondary piping fill sump UDC piping sump Violation I296 is abated.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-07-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed updated UST and CFR forms in CERS. Package was ACCEPTED.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed UST submittal on CERS. Facility has updated its financial responsibility and CFO Letter. All forms were accepted.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-14-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1) Received spill bucket repair test results dated 5/16/2019. Results for Diesel PASSED. Violation I189 has been corrected and closed. 2) Received Overfill Prevention Equipment Inspection Report Form results dated 5/16/2019. The Inspection Method used is Manufacturer Guidelines. Results indicate overfill prevention is provided by the following method(s) for the Diesel tank: - Shuts off flow - Audible/visual alarm. All results PASSED. Violation I101 has been corrected and closed. Overfill testing must be completed every 36 months.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: A UST monitoring system certification, leak detector, and spill bucket report was received by this agency. Testing at this facility was conducted on 1/19/17 and witnessed by this inspector. The following components PASSED testing: Tank Annular Sensors (1) Piping Sump Sensors (1) Fill Sump Sensors (1) UDC (1): Float and Chain

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Audible/Visual Overfill Alarm Fail Safe/Sensor Out Spill Buckets
Visual Test Line Leak Detectors
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-02-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review. ACCEPTED
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-03-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: A UST monitoring system certification was received by this agency. Testing at this facility was conducted on 6/20/17. The cold start was performed following electrical repairs to the monitoring panel. All functions normal per report.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-18-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Violation I583 has been corrected and closed. CFR submitted to CERS on 3/1/2019 is dated 2/14/2019. Violation I651 was issued in error. This violation has been voided and Violation I106 is being issued in its place. The facility permit will be ISSUED.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-28-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: ongoing haz mat review
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-28-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This agency received the monitor certification, spill bucket test, and overfill prevention equipment inspection. All tests completed on 1/25/22. All test results passed.
Eval Division: Orange County Environmental Health
Eval Program: UST

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Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Observed facility and inspected hazardous waste storage areas. Consent to enter, inspect and take photographs was granted by Rick Acosta. Facility generated the following hazardous wastes on site: used oil. Facility transports used oil to its Corona location for transport. Facility transports waste oil in 55 gallon drums using company vehicles. It is recommended that a log listing the date of transport and amount transported be kept at the facility. The 55-gallon drum of waste oil used for oil accumulation prior to transport was properly labeled and stored closed. Facility s EPA ID Number, CAL000176192 is active. Emergency response plan and training records were on site and available for review. Inspected perimeter of the facility.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to witness annual Monitor System Certification and to conduct annual UST routine inspection. Technician possessed ICC Certification and Veeder-Root certifications. UST System = one double walled UST (steel) =fiberglass double walled piping = mechanical leak detectors = sumps contain non-discriminating sensors = 1 dispenser with a float and chain = system is monitored by a VeederRoot TLS300C, which is programmed for both positive shutdown and failsafe The sump sensors were found to be located at the lowest point of each sump. All sumps and UDCs appeared to be dry. ATG and an external alarm were installed for overfill protection. Flapper valve is also installed. Spill bucket was tested via visual hydrostatic test method and passed. Mechanical leak detector was tested after the inspector left. The following documents were on site and available for review: 1) Permit 2) Approved Monitoring Plan 3) Leak Response Plan 4) UPC Forms 5) Certificate [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-03-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Secondary Containment Testing notification
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-07-2014
Violations Found: No

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Eval Type: Other, not routine, done by local agency
Eval Notes: This agency has received a copy of a monthly tank inspection report. Violation AT02 is abated.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-13-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: Business Activities Form Business Owner/Operator Form Chemical Inventory for 19 chemicals Facility Site Map
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: For the correction of hazardous waste violation (I474), John Gardner of All American Asphalt informed this Agency that the Irvine facility self transports their used oil to their Corona facility for proper handling and disposal. The used oil is then consolidated and removed under manifest with their Corona facility identified as the generator (CAL000070001). A record of the amount of used oil that the Irvine facility generates and self transport for consolidation was not maintained. Also, the facility reported no removal of used oily absorbents for the last 3 years. Violation (I474) to provide hazardous waste removal records for the last 3 years was addressed. Violation corrected. This Agency recommends that the facility maintain a written record of the date of transfer, waste amount, and accepting facility and have available for inspection. Violation (I400) to mark hazardous waste storage containers with the required identifying information was corrected.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-29-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed UST submission package on CERS, DENIED. Request for re-submittal this date. Email also sent to Dennis Jones. The following changes are needed: UST Tank Information under Vent, Vapor Recovery, please change Riser Pipe Secondary Containment to Fiberglass piping is contained in a fiberglass sump; change Isolation from No to Yes in the Under Dispenser Containment section; Monitoring Plan please change the Mechanical Line Leak Detector response from No to Yes in the Pipe Monitoring section. Site Map please add information regarding the leak sensor and monitoring panel model numbers to your map (a key with the required information would suffice) The Certificate of Financial Responsibility, UST Response Plan, and DO Statement are accepted.
Eval Division: Orange County Environmental Health

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Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-11-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following forms have been reviewed and ACCEPTED on CERS: UST facility and tank pages (1 tank) Monitoring plans Leak Response plan CFR and CFO Letter DO statement Owner/Operator Agreement
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-11-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: From: Dong, Alvin Sent: Thursday, July 11, 2013 1:27 PM To: 'racosta@allamericanasphalt.com' Subject: SPCC Hey Rick, I need you to send me the above form. Let me know if you have any questions. Thanks, Alvin Dong Hazardous Waste Specialist Environmental Health Division 714 640 9358 voice 714 754 1768 fax
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-29-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are needed: SITE MAP Please add the following to your map: storm drains and sewers, emergency shutoffs (water, gas, electrical) and evacuation staging areas CHEMCIAL INVENTORY The following chemical disclosures are accepted: Propane, Acetylene, Oxygen, and Waste Oil For all chemicals listed which are mixtures please complete the Mixture Components charts completely. All mixtures must list any hazardous component by name and include CAS #s and %wt. Remove CAS #s from the CAS # field for any mixtures (move to the Mixture Component chart). CAS #s should only be used for Pure substances. For all chemicals listed please move any brand names listed in the Chemical Name field to the Common Name field and leave the Chemical Name field blank. 76 Diesel Fuel please change Chemical Name and Common Name to Diesel; add CAS # 68476-34-6; change Hazardous [Truncated]

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

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

Eval General Type: Other/Unknown
Eval Date: 07-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed Contingency Plan and Training documents on CERS. Documents were ACCEPTED Corrections are still needed to the chemical inventory and site map.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed UST submission package on CERS, DENIED. Request for re-submittal this date. The following corrections are still needed: UST Tank Information please change Isolation from No to Yes in the Corrosion Protection section UST Monitoring Plan please change the Mechanical Line Leak Detector response from No to Yes in the Pipe Monitoring section. The site map is accepted.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-20-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review: Sensor models observed during on-site inspection match. The Designated Operator Statement was updated to include the current ICC expiration date of the Designated Operator.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine UST inspection, monitoring system certification, overfill, and spill bucket testing. The facility has one double-walled tank (Diesel) monitored by a Veeder Root TLS-300C system. The site has double-walled pressurized piping with mechanical line leak detectors.

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Positive shutdown and fail safe programming were verified. Flapper valves and external audible/visual alarms are used for overfill prevention. Testing was conducted by Razvan Ross Raicu of All American Tank Testing. Tester certifications (VR, ICC, VMI) were verified. Please submit the test reports to this Agency within 30 days. Secondary containment testing was last conducted on 1/19/2017. It must be tested every 36 months. Overfill inspection testing was last conducted on 1/25/2019. It must be tested every 36 months. The time on the Veeder Root was changed during the inspection (moved one hour back).

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a monitor certification and routine inspection. This site has one double walled diesel tank with double walled pressurized piping and one dispenser monitored with a float/chain mechanism. The tank annular sensor, fill sump sensor, and turbine sump sensor were tested for alarm and turbine shutdown. The Veeder Root TLS-300C was tested for sensor out and fail safe. The mechanical line leak detector was tested and passed. This site uses a flapper valve as their primary overfill prevention device. The technician is Razvan Ross Raicu from All American Tank Testing. Verified ICC, Veeder Root, and VMI certifications. Secondary containment testing dated 1-28-20. Overfill prevention equipment testing dated 1-25-19 and completed today. Report emailed to facility.

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for an aboveground petroleum storage tank (APST) inspection Facility is regulated under the Aboveground Storage Tank Act (APSA). Facility has between 1,320 and 9,999 gallons of regulated petroleum products. Facility has the Following: 1) On site SPCC Prepared and implemented; certification date = 12/8/2011 2) Written training records 3) Appropriate secondary containment or diversionary structures 4) Periodic checklist was not available for oil filled equipment and oil storage structures (drums, tanks) see violation. Per site contact, Rick Acosta, inspections are conducted daily but not documented. Begin documenting inspections on a log maintained on site and available for review. Per the SPCC plan, inspection frequency must, at a minimum, be conducted on a monthly basis. Send a copy of the inspection log to this agency within 30 days.

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

Eval General Type: Other/Unknown
Eval Date: 03-01-2022

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Certification of financial responsibility submitted in CERS dated 2-16-22. Violation I583 corrected. No outstanding violations.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has complied with 2016 HMBEP reporting requirement. Reviewed and accepted HMBEP documents on CERS. Facility has disclosed 19 chemicals (1 waste). All forms were accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-22-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: This Agency received and reviewed a copy of the facility's SPCC plan. Management's 5 year review was documented by John Gardner on 2-13-18. We also received a copy of the "monthly tank testing inspection - checklist" Mr. Garden informed me that the inspection of APSA regulated storage drums were included in the checklist. We received a copy of the facility's SPCC plan training sign in sheet for Irvine hot plant's oil handling personnel for 10-18-17. Facility was current in their annual training. The violations (I757, I309, I258, I394) were corrected. >>Facility's SPCC plan described one tote of asphalt release agent (soy oil) to be on site. Facility's HMBP inventory, electronically submitted via CERS, claims 550 gallons of asphalt release material on site with "proprietary" ingredients. Note: 100% vegetable or plant based fuels or liquids are not regulated under APSA unless the fuel or liquid contains 1% or greater concentration of petroleum.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine APSA inspection with John Gardner, Asphalt Plant Manager. Facility was found to store the following petroleum products: Chevron Delo Multigrade Engine Oil 15W-40 = 55 gallons Delo 400 SAE 30wt = 55 gallons Gear Box Oil = 55 gallons Meropa 150 = 110 gallons Mobil Vacuoline 537 = 110 gallons Heat Transfer Fluid = 330 gallons Petroleum Hydrocarbon Waste Oil = 55 gallons Waste Oily Water = 2475 gallons Total petroleum storage is 3,245 gallons. Your business is regulated under the APSA program. Facility is in compliance with the SPCC plan (certification date = 2/13/2018), training and monthly inspection requirements. Please revise your Business Activities information on CERS to indicate that you are regulated under APSA. You

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

will need to also submit a tank facility statement and information on storage amount and date of SPCC plan under the APSA element on CERS. You may either submit a tank facility statement document or use the located in CERS [Truncated]

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

Eval General Type: Other/Unknown
Eval Date: 03-22-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site for a follow up inspection. Inspection was conducted with John Gardner, Asphalt Plant Manager. James Hendron of OCHCA was also present for the inspection. Discussed waste oil generation and transportation with Mr. Gardner. Used oil generated by company s mechanics was previously transported in company vehicles to business Corona location pursuant to HSC Section 25250.12. Business transported no more than 55-gallons at any one time. This is no longer the practice. Used oil is now stored on site and removed by a registered hazardous waste hauler directly from this location. Manifests for waste removal for the previous year were reviewed at the inspection. Facility is in compliance at this time.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-25-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: 1) Received monitor certification results dated 1-21-2020. All results PASSED. 2) Received spill bucket test results dated 1-21-2020. All results PASSED. 3) Received secondary containment test results dated 1-28-2020 The tightness test result for the DIESEL - FILL RISER SUMP = FAIL Per e-mail from Dan Harris (SoCal Compliance), All American asphalt has contracted with them to complete the sump repairs.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review. ACCEPTED.
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HW

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: An on-site inspection was conducted this date to witness the annual monitoring system certification. Ross Raicu conducted the monitoring system certification and provided current Veeder-Root and ICC certifications. This facility contains: 1 - 12000g UST 1 Dispenser Monitor system is a Veeder-Root monitor panel and reads all functions normal. Overfill protection provided by fill-tube shut-off valve (flapper) and audible/visual alarms. Sensors were observed positioned so as to initiate alarms at the earliest point possible. Sensors were re-positioned in a true vertical position upon installation after testing. Alarm history and setup tape reviewed while on site. The following were tested: - Sensors, initiated positive shutdown to the turbines when tested in water - Fail Safe and Sensor Out , shutdown the turbines - ATGs, set at 90%, for an external audible and visual alarm - Spill buckets using a visual hydrostatic test - Leak detectors. The [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTOR COMMENTS On site for a routine hazardous waste inspection. Observed facility and inspected hazardous waste storage areas. Consent to enter, inspect and take photographs was granted by Rick Acosta. Facility generated the following hazardous wastes on site: used oil. Facility transports used oil to its Corona location for transport. Facility transports waste oil in 55 gallon drums using company vehicles. The 55 gallon drum of waste oil used for oil accumulation prior to transport was properly labeled and stored closed. Facility s EPA ID Number, CAL000176192 is active. Emergency response plan and training records were on site and available for review.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 4250
Facility Name: All American Asphalt, Irvine
Env Int Type Code: HWG
Program ID: 10418032
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.734840
Longitude: -117.726600

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,
Affiliation Type Desc:	Legal Owner
Entity Name:	All American Asphalt
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92878
Affiliation Phone:	(951) 736-7600,
Affiliation Type Desc:	Environmental Contact
Entity Name:	John Gardner
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92878-2229
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92878-2229
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	John Gardner
Entity Title:	Asphalt Plants Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Daniel Stinson
Entity Title:	General Operations Asst.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 736-7618,

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Dix Leasing
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92878-2229
Affiliation Phone:	(951) 736-7600,

Affiliation Type Desc:	Document Preparer
Entity Name:	John Gardner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	All American Asphalt
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92878
Affiliation Phone:	(951) 736-7600,

Affiliation Type Desc:	Operator
Entity Name:	All American Asphalt
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(951) 736-7600,

Affiliation Type Desc:	Parent Corporation
Entity Name:	All American Asphalt
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	Dix Leasing
Entity Title:	Not reported
Affiliation Address:	P.O. Box 2229
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	United States

ALL AMERICAN ASPHALT, IRVINE (Continued) **S105723564**

Affiliation Zip: 92878-2229
Affiliation Phone: (951) 736-7600,

A4 **ALL AMERICAN ASPHALT,ALL AMER AGGREGATES** **EMI** **S120713816**
Target **10671 JEFFREY RD** **N/A**
Property **IRVINE, CA 92602**

Site 4 of 10 in cluster A

Actual: **427 ft.**

EMI:

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2015
County Code:	30
Air Basin:	SC
Facility ID:	82207
Air District Name:	SC
SIC Code:	2951
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.1587572055
Reactive Organic Gases Tons/Yr:	5.1001732
Carbon Monoxide Emissions Tons/Yr:	3.481851
NOX - Oxides of Nitrogen Tons/Yr:	3.7560685
SOX - Oxides of Sulphur Tons/Yr:	0.05968887
Particulate Matter Tons/Yr:	21.95453782
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.8353200394

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2016
County Code:	30
Air Basin:	SC
Facility ID:	82207
Air District Name:	SC
SIC Code:	2951
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.433590556
Reactive Organic Gases Tons/Yr:	3.38165
Carbon Monoxide Emissions Tons/Yr:	3.12
NOX - Oxides of Nitrogen Tons/Yr:	3.36
SOX - Oxides of Sulphur Tons/Yr:	0.04627
Particulate Matter Tons/Yr:	13.730838
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.183508852

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2017
County Code:	30
Air Basin:	SC
Facility ID:	82207

ALL AMERICAN ASPHALT,ALL AMER AGGREGATES (Continued) **S120713816**

Air District Name:	SC
SIC Code:	2951
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.0575467303
Reactive Organic Gases Tons/Yr:	6.93271
Carbon Monoxide Emissions Tons/Yr:	1.87
NOX - Oxides of Nitrogen Tons/Yr:	3.08
SOX - Oxides of Sulphur Tons/Yr:	0.04427
Particulate Matter Tons/Yr:	10.813312
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.365321088

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2018
County Code:	30
Air Basin:	SC
Facility ID:	82207
Air District Name:	SC
SIC Code:	2951
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10.387305342
Reactive Organic Gases Tons/Yr:	10.25370194
Carbon Monoxide Emissions Tons/Yr:	1.8418535
NOX - Oxides of Nitrogen Tons/Yr:	2.966047
SOX - Oxides of Sulphur Tons/Yr:	0.05153541
Particulate Matter Tons/Yr:	11.29059929
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.8263004619

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2019
County Code:	30
Air Basin:	SC
Facility ID:	82207
Air District Name:	SC
SIC Code:	1771
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.231314574
Reactive Organic Gases Tons/Yr:	11.105210135
Carbon Monoxide Emissions Tons/Yr:	8.8507495
NOX - Oxides of Nitrogen Tons/Yr:	3.4837775
SOX - Oxides of Sulphur Tons/Yr:	0.06061007
Particulate Matter Tons/Yr:	10.7343993
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.6674964596

Name:	ALL AMERICAN ASPHALT,ALL AMER AGGREGATES
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Year:	2020

ALL AMERICAN ASPHALT,ALL AMER AGGREGATES (Continued) **S120713816**

County Code:	30
Air Basin:	SC
Facility ID:	82207
Air District Name:	SC
SIC Code:	1771
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.9348015263
Reactive Organic Gases Tons/Yr:	7.894194
Carbon Monoxide Emissions Tons/Yr:	8.41
NOX - Oxides of Nitrogen Tons/Yr:	2.42
SOX - Oxides of Sulphur Tons/Yr:	0.03679
Particulate Matter Tons/Yr:	7.9521
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.4576154

A5 **ALL AMERICAN ASPHALT INC** **HAZNET** **S113092953**
Target **10671 JEFFREY** **HWTS** **N/A**
Property **IRVINE, CA 92720**

Site 5 of 10 in cluster A

Actual:
427 ft.

HAZNET:

Name:	ALL AMERICAN ASPHALT INC
Address:	10671 JEFFREY
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92720
Contact:	JOHN GARDNER
Telephone:	9517367600
Mailing Name:	Not reported
Mailing Address:	PO BOX 2229
Year:	2021
Gepaid:	CAL000176192
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.17014
Year:	2021
Gepaid:	CAL000176192
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.445
Year:	2020
Gepaid:	CAL000176192
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.85
Year:	2020
Gepaid:	CAL000176192

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 12.61469

Year: 2019
Gepaid: CAL000176192
TSD EPA ID: CAT000646117
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.10750

Year: 2012
Gepaid: CAL000176192
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 3.23

Year: 2011
Gepaid: CAL000176192
TSD EPA ID: AZR000501510
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: -
Tons: 0.209

Year: 2009
Gepaid: CAL000176192
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.19

Year: 2009
Gepaid: CAL000176192
TSD EPA ID: AZR000501510
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.85

Year: 2008
Gepaid: CAL000176192
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.171

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

Additional Info:
Year: 2021

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Gen EPA ID:	CAL000176192
Shipment Date:	8/31/2020
Creation Date:	9/18/2020
Receipt Date:	9/2/2020
Manifest ID:	021544341JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.44037
Waste Quantity:	825
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/31/2020
Creation Date:	9/25/2020
Receipt Date:	9/4/2020
Manifest ID:	021544340JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/7/2020
Creation Date:	7/30/2020
Receipt Date:	7/10/2020
Manifest ID:	021543544JJK
Trans EPA ID:	CAR000276295

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.58716
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/23/2020
Creation Date:	1/7/2021
Receipt Date:	12/11/2020
Manifest ID:	021843435JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/2/2020
Creation Date:	11/25/2020
Receipt Date:	11/4/2020
Manifest ID:	021843110JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.58716
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000176192
Shipment Date:	8/31/2020
Creation Date:	9/18/2020
Receipt Date:	9/2/2020
Manifest ID:	021544341JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.44037
Waste Quantity:	825
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/31/2020
Creation Date:	9/25/2020
Receipt Date:	9/4/2020
Manifest ID:	021544340JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/7/2020
Creation Date:	7/30/2020
Receipt Date:	7/10/2020
Manifest ID:	021543544JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.58716
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/23/2020
Creation Date:	1/7/2021
Receipt Date:	12/11/2020
Manifest ID:	021843435JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/2/2020
Creation Date:	11/25/2020
Receipt Date:	11/4/2020
Manifest ID:	021843110JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.58716
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	71c9fb51-0d5a-44a1-9156-6bf616ff079b
Shipment Date:	8/31/2020
Receipt Date:	9/2/2020
Manifest Number:	021544341JJK
Generator EPA ID:	CAL000176192
Name:	ALL AMERICAN ASPHALT INC
Address:	10671 JEFFREY
Address 2:	Not reported
City:	IRVINE
Zip:	92602
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-232-4145
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000297531
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT080013352
TSDF Name:	WORLD OIL RECYCLING
TSDF Address 1:	N. ALAMEDA STREET
TSDF Address 2:	Not reported
TSDF City:	COMPTON
TSDF Zip:	90222-0000
TSDF Telephone:	Not reported

State:

Year:	2020

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

EM Manifest ID:	71c9fb51-0d5a-44a1-9156-6bf616ff079b
Generator EPA ID:	CAL000176192
Shipment Date:	2020-08-31
Manifest Number:	021544341JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	3.44025
Quantity Waste:	825.000000
Quantity Unit:	G
Number of Containers:	3
Type of Container:	Portable tanks
Quantity Type:	Gallons
State Code:	223

Year:	2020
EM Manifest ID:	7bbac974-a2a3-45f9-8b21-11c53460a5f1
Shipment Date:	3/18/2019
Receipt Date:	3/28/2019
Manifest Number:	019420034JJK
Generator EPA ID:	CAL000176192
Name:	ALL AMERICAN ASPHALT INC
Address:	10671 JEFFREY
Address 2:	Not reported
City:	IRVINE
Zip:	92720
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	800-424-9300
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	7bbac974-a2a3-45f9-8b21-11c53460a5f1
Generator EPA ID:	CAL000176192
Shipment Date:	2019-03-18
Manifest Number:	019420034JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.37400
Quantity Waste:	110.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Year:	2020
EM Manifest ID:	917166
Shipment Date:	12/17/2019
Receipt Date:	12/30/2019
Manifest Number:	020787803JJK
Generator EPA ID:	CAL000176192
Name:	ALL AMERICAN ASPHALT-IRVINE
Address:	10671 JEFFREY RD
Address 2:	Not reported
City:	IRVINE
Zip:	92602
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-232-4145
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000297531
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1:	OLD SKYLINE ROAD
TSDF Address 2:	Not reported
TSDF City:	KETTLEMAN CITY
TSDF Zip:	93210-0000
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	917166
Generator EPA ID:	CAL000176192
Shipment Date:	2019-12-17
Manifest Number:	020787803JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Additional Info:

Year:	2012
Gen EPA ID:	CAL000176192
Shipment Date:	20120117
Creation Date:	3/27/2012 20:30:35
Receipt Date:	20120117
Manifest ID:	009464044JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.23
Waste Quantity:	850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000176192
Shipment Date:	20110302
Creation Date:	7/14/2011 18:30:40
Receipt Date:	20110316
Manifest ID:	007937618JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000176192
Shipment Date:	20090519
Creation Date:	9/25/2009 18:30:08
Receipt Date:	20090603
Manifest ID:	005361879JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.85
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090406
Creation Date:	5/11/2009 18:30:47
Receipt Date:	20090408
Manifest ID:	005361502JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000176192
Shipment Date:	20080408
Creation Date:	6/9/2008 18:30:32
Receipt Date:	20080416
Manifest ID:	004099492JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080408
Creation Date:	6/9/2008 18:30:32
Receipt Date:	20080416
Manifest ID:	004099492JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.171
Waste Quantity:	45
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000176192
Shipment Date:	20020401
Creation Date:	7/9/2002 18:31:13
Receipt Date:	20020402
Manifest ID:	21035002
Trans EPA ID:	CAD980737068
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	15.846
Waste Quantity:	3800

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000176192
Shipment Date:	20011026
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20011031
Manifest ID:	21378976
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALL AMERICAN ASPHALT INC
Address:	10671 JEFFREY
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92720
EPA ID:	CAL000176192
Inactive Date:	Not reported
Create Date:	05/23/1997
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 2229
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CORONA, CA 928782229
Owner Name:	ALL AMERICAN ASPHALT
Owner Address:	PO BOX 2229
Owner Address 2:	Not reported
Owner City,State,Zip:	CORONA, CA 928782229
Contact Name:	JOHN GARDNER
Contact Address:	PO BOX 2229
Contact Address 2:	Not reported
City,State,Zip:	CORONA, CA 92878

ALL AMERICAN ASPHALT INC (Continued) **S113092953**

Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.727582
Longitude:	-117.725996

NAICS:

EPA ID:	CAL000176192
Create Date:	2002-12-03 15:25:10.000
NAICS Code:	324121
NAICS Description:	Asphalt Paving Mixture and Block Manufacturing
Issued EPA ID Date:	1997-05-23 00:00:00
Inactive Date:	Not reported
Facility Name:	ALL AMERICAN ASPHALT INC
Facility Address:	10671 JEFFREY
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92720

A6 **ALL AMERICAN ASPHALT** **UST** **U004344898**
Target **10671 JEFFREY RD** **N/A**
Property **IRVINE, CA 92602**

Site 6 of 10 in cluster A

Actual:
427 ft.

UST:

Name:	ALL AMERICAN ASPHALT
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Facility ID:	20036
Permitting Agency:	ORANGE COUNTY
CERSID:	Not reported
Latitude:	33.735618
Longitude:	-117.724811
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported

ALL AMERICAN ASPHALT (Continued) **U004344898**

Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

A7 **ALL AMERICAN ASPHALT INC** **RCRA NonGen / NLR** **1024796468**
Target **10671 JEFFREY** **CAL000176192**
Property **IRVINE, CA 92720**

Site 7 of 10 in cluster A

Actual:
427 ft.

RCRA Listings:

Date Form Received by Agency:	19970523
Handler Name:	All American Asphalt Inc
Handler Address:	10671 JEFFREY
Handler City,State,Zip:	IRVINE, CA 92720
EPA ID:	CAL000176192
Contact Name:	DANIEL STINSON
Contact Address:	PO BOX 2229
Contact City,State,Zip:	CORONA, CA 92878
Contact Telephone:	951-736-7600
Contact Fax:	951-736-3840
Contact Email:	DSTINSON@ALLAMERICANASPHALT.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 2229
Mailing City,State,Zip:	CORONA, CA 92878-2229
Owner Name:	All American Asphalt
Owner Type:	Other
Operator Name:	Daniel Stinson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

ALL AMERICAN ASPHALT INC (Continued) **1024796468**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DANIEL STINSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2229
Owner/Operator City,State,Zip:	CORONA, CA 92878
Owner/Operator Telephone:	951-736-7600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALL AMERICAN ASPHALT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2229
Owner/Operator City,State,Zip:	CORONA, CA 92878-2229
Owner/Operator Telephone:	951-736-7600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

ALL AMERICAN ASPHALT INC (Continued) **1024796468**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19970523
Handler Name: ALL AMERICAN ASPHALT INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 324121
NAICS Description: ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A8 **AST** **A100323013**
Target Property **10671 JEFFREY RD** **N/A**
IRVINE, CA

Site 8 of 10 in cluster A

Actual: 427 ft.

AST:
Name: Not reported
Address: 10671 JEFFREY RD
City/Zip: IRVINE,
Certified Unified Program Agencies: Orange
Owner: ALL AMERICAN ASPHALT
Total Gallons: 1,320
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported

(Continued) **A100323013**

Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

A9 **ALL AMERICAN ASPHALT ALL AMER AGGREGATES** **FINDS** **1023692256**
Target **10671 JEFFREY RD** **ECHO** **N/A**
Property **IRVINE, CA 92602**

Site 9 of 10 in cluster A

Actual:
427 ft.

FINDS:
Registry ID: 110071326864

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR PROGRAM
TITLE V MAJOR SOURCE
Registry ID: 110070089285

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
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.
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.
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

ALL AMERICAN ASPHALT ALL AMER AGGREGATES (Continued) **1023692256**

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.

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

ECHO:

Envid:	1023692256
Registry ID:	110070089285
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070089285
Name:	ALL AMERICAN ASPHALT INC
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602

A10 **ALL AMERICAN ASPHALT, IRVINE** **UST** **U004354190**
Target **10671 JEFFREY RD** **N/A**
Property **IRVINE, CA 92602**

Site 10 of 10 in cluster A

Actual:
427 ft.

UST:

Name:	ALL AMERICAN ASPHALT, IRVINE
Address:	10671 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Facility ID:	FA0025094
Permitting Agency:	Orange County Environmental Health
CERSID:	10418032
Latitude:	33.7348400
Longitude:	-117.726600
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported

ALL AMERICAN ASPHALT, IRVINE (Continued) **U004354190**

Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

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11 **BOB MC GRANN CONSTRUCTION INC** **HAZNET** **S113116631**
Target **11502 1/2 JEFFREY RD** **HWTS** **N/A**
Property **IRVINE, CA 92602**

Actual:
415 ft.

HAZNET:

Name:	BEST MANAGEMENT CONSTRUCTION INC.
Address:	11502 1/2 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Contact:	DEBRA FRIED
Telephone:	9497683882
Mailing Name:	Not reported
Mailing Address:	11502 1/2 JEFFREY ROAD
Year:	2021
Gepaid:	CAL000238210
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2
Year:	2021
Gepaid:	CAL000238210
TSD EPA ID:	CAD008252405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.04
Year:	2021
Gepaid:	CAL000238210
TSD EPA ID:	AZR000520304
CA Waste Code:	291 - Latex waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.91743
Year:	2020
Gepaid:	CAL000238210
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Year:	2019
Gepaid:	CAL000238210
TSD EPA ID:	AZR000520304
CA Waste Code:	331 - Off-specification, aged or surplus organics

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25000

Year: 2019
Gepaid: CAL000238210
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.00250

Year: 2019
Gepaid: CAL000238210
TSD EPA ID: AZR000520304
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.37610

Year: 2018
Gepaid: CAL000238210
TSD EPA ID: AZR000520304
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05000

Year: 2016
Gepaid: CAL000238210
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3

Year: 2012
Gepaid: CAL000238210
TSD EPA ID: 02-IV-99-10
CA Waste Code: 352 - Other organic solids
Disposal Method: H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Tons: 0.15

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

Additional Info:
Year: 2021
Gen EPA ID: CAL000238210

Shipment Date: 5/22/2020
Creation Date: 6/15/2020
Receipt Date: 5/26/2020
Manifest ID: 021173914JJK
Trans EPA ID: CAR000130864
Trans Name: ALEXIS ENVIRONMENTAL COMPANY

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	11/3/2020
Creation Date:	11/18/2020
Receipt Date:	11/5/2020
Manifest ID:	022210657JJK
Trans EPA ID:	CAR000130864
Trans Name:	ALEXIS ENVIRONMENTAL COMPANY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000238210

Shipment Date:	5/22/2020
Creation Date:	6/15/2020
Receipt Date:	5/26/2020
Manifest ID:	021173914JJK
Trans EPA ID:	CAR000130864
Trans Name:	ALEXIS ENVIRONMENTAL COMPANY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/3/2020
Creation Date:	11/18/2020
Receipt Date:	11/5/2020
Manifest ID:	022210657JJK
Trans EPA ID:	CAR000130864
Trans Name:	ALEXIS ENVIRONMENTAL COMPANY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2019
EM Manifest ID:	14420
Shipment Date:	8/20/2018
Receipt Date:	3/24/2019
Manifest Number:	003631764GBF
Generator EPA ID:	CAL000238210
Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD
Address 2:	Not reported
City:	IRVINE
Zip:	92602
Telephone:	323-848-4444
Contact:	Not reported
Contact Telephone:	949-768-3882
Transporter 1 EPA ID:	CAL000407695

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	14420
Generator EPA ID:	CAL000238210
Shipment Date:	2018-08-20
Manifest Number:	003631764GBF
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	15124
Shipment Date:	3/13/2019
Receipt Date:	3/25/2019
Manifest Number:	019844615JJK
Generator EPA ID:	CAL000238210
Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD
Address 2:	Not reported
City:	IRVINE
Zip:	92602
Telephone:	800-943-6847
Contact:	Not reported
Contact Telephone:	949-768-3882
Transporter 1 EPA ID:	CAR000075424
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	15124
Generator EPA ID:	CAL000238210

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Shipment Date:	2019-03-13
Manifest Number:	019844615JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	291

Year:	2019
EM Manifest ID:	37540
Shipment Date:	2/20/2019
Receipt Date:	3/13/2019
Manifest Number:	019844601JJK
Generator EPA ID:	CAL000238210
Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD
Address 2:	Not reported
City:	IRVINE
Zip:	92602
Telephone:	800-943-6847
Contact:	Not reported
Contact Telephone:	949-768-3882
Transporter 1 EPA ID:	CAR000075424
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD980585293
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520304
TSDF Name:	AA SYDCOL LLC
TSDF Address 1:	2264 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1858
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	37540
Generator EPA ID:	CAL000238210
Shipment Date:	2019-02-20
Manifest Number:	019844601JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	37540
Generator EPA ID:	CAL000238210

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Shipment Date:	2019-02-20
Manifest Number:	019844601JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	1.14675
Quantity Waste:	275.000000
Quantity Unit:	G
Number of Containers:	5
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	291

Additional Info:

Year:	2012
Gen EPA ID:	CAL000238210
Shipment Date:	20120921
Creation Date:	11/28/2012 22:15:41
Receipt Date:	20120925
Manifest ID:	005310049FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120417
Creation Date:	6/27/2012 20:30:16
Receipt Date:	20120423
Manifest ID:	005309893FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.396

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120228
Creation Date:	8/2/2012 22:15:07
Receipt Date:	20120308
Manifest ID:	005309860FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120228
Creation Date:	8/2/2012 22:15:07
Receipt Date:	20120308
Manifest ID:	005309860FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	02-IV-99-10
Trans Name:	RECICLADORA TEMARRY DE MEXICO SA DE CV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H050 - Energy Recovery At This Site--Use As Fuel(Includes On-Site Fuel Blending)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Additional Info:

Year:	2010
Gen EPA ID:	CAL000238210
Shipment Date:	20101103
Creation Date:	3/30/2011 18:30:55
Receipt Date:	20101112
Manifest ID:	003055943FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101103
Creation Date:	1/3/2011 18:31:17
Receipt Date:	20101108
Manifest ID:	003055947FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101103
Creation Date:	1/3/2011 18:31:17
Receipt Date:	20101108
Manifest ID:	003055947FLE

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.019
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100722
Creation Date:	1/24/2011 18:30:37
Receipt Date:	20100726
Manifest ID:	003055781FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100722
Creation Date:	1/24/2011 18:30:37
Receipt Date:	20100726
Manifest ID:	003055781FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL
TSDF Alt EPA ID:	Not reported

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000238210
Shipment Date:	20061128
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061130
Manifest ID:	000306062FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061128
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061130
Manifest ID:	000306062FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061128
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061130
Manifest ID:	000306062FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061128
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061130
Manifest ID:	000306062FLE
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000238210
Shipment Date:	20050331
Creation Date:	7/21/2005 18:31:13
Receipt Date:	20050414
Manifest ID:	24081977
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.108
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050331
Creation Date:	7/21/2005 18:31:13
Receipt Date:	20050414
Manifest ID:	24081977
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.68805
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050331

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Creation Date:	7/21/2005 18:31:13
Receipt Date:	20050414
Manifest ID:	24081977
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MANAGEMENT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM - RANCHO CORDOVA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	NA
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000238210
Shipment Date:	20040719
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040729
Manifest ID:	22847951
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	UTD981552425
Trans 2 Name:	SLT EXPRESS INC
TSDF EPA ID:	IND000646943
Trans Name:	POLLUTION CONTROL INDUSTRIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040719
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040721
Manifest ID:	22847952
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040719
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040721
Manifest ID:	22847952
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040719
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040721
Manifest ID:	22847952
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NONE
Meth Code:	R01 - Recycler

BOB MC GRANN CONSTRUCTION INC (Continued) **S113116631**

Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
EPA ID:	CAL000238210
Inactive Date:	Not reported
Create Date:	01/16/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	11502 1/2 JEFFREY ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 926020000
Owner Name:	JULIAN MENDEZ.
Owner Address:	11502 1/2 JEFFREY RD.
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926020000
Contact Name:	DEBRA FRIED
Contact Address:	11502 1/2 JEFFREY ROAD
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.719963
Longitude:	-117.731141

NAICS:

EPA ID:	CAL000238210
Create Date:	2009-10-01 10:55:51.183
NAICS Code:	56291
NAICS Description:	Remediation Services
Issued EPA ID Date:	2002-01-16 00:00:00
Inactive Date:	Not reported
Facility Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Facility Address:	11502 1/2 JEFFREY RD
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92602

B12 **JBR ENGINEERING, INC.** **CERS** **S128200538**
Target **11502 JEFFREY RD** **N/A**
Property **IRVINE, CA 92602**

Site 1 of 4 in cluster B

Actual:
405 ft.

CERS:

Name:	JBR ENGINEERING, INC.
Address:	11502 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Site ID:	597660
CERS ID:	10886560
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	597660
Facility Name:	JBR Engineering, INC.
Env Int Type Code:	HMBP
Program ID:	10886560
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.720330
Longitude:	-117.730490

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Francisco Mendez
Entity Title:	Fleet Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Julian Mendez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 768-3882,
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,
Affiliation Type Desc:	Document Preparer
Entity Name:	Francisco Mendez
Entity Title:	Not reported
Affiliation Address:	Not reported

JBR ENGINEERING, INC. (Continued) **S128200538**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Julian Mendez
Entity Title:	Not reported
Affiliation Address:	11502 1/2 Jeffrey Road
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11502 1/2 Jeffrey Road
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Julian Mendez
Entity Title:	Not reported
Affiliation Address:	fmendez@bcmi.us
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92602
Affiliation Phone:	(949) 768-3882,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BEST MANAGEMENT CONSTRUCTION INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

B13 **BEST MANAGEMENT CONSTRUCTION, INC.** **FINDS 1024664444**
Target **11502 1/2 JEFFREY RD** **ECHO N/A**
Property **IRVINE, CA 92602**

Site 2 of 4 in cluster B

Actual:
405 ft.

FINDS:
Registry ID: 110070452838

Click Here for FRS Facility Detail Report:

BEST MANAGEMENT CONSTRUCTION, INC. (Continued) **1024664444**

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

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

ECHO:

Envid:	1024664444
Registry ID:	110070452838
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070452838
Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602

B14 **BEST MANAGEMENT CONSTRUCTION, INC.** **HAZNET** **S120988994**
Target **11502 1/2 JEFFREY RD.** **HWTS** **N/A**
Property **IRVINE, CA 92602**

Site 3 of 4 in cluster B

Actual:
405 ft.

HAZNET:

Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD.
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Contact:	JULIAN MENDEZ
Telephone:	9497683882
Mailing Name:	Not reported
Mailing Address:	11502 1/2 JEFFREY RD.
Year:	2017
Gepaid:	CAC002844882
TSD EPA ID:	CAD008252405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.125
Year:	2016
Gepaid:	CAC002844882
TSD EPA ID:	AZR000501510
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2016
Gepaid:	CAC002844882
TSD EPA ID:	AZR000501510
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45

BEST MANAGEMENT CONSTRUCTION, INC. (Continued) **S120988994**

Year:	2016
Gepaid:	CAC002844882
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.18

Additional Info:

Year:	2017
Gen EPA ID:	CAC002844882
Shipment Date:	20170405
Creation Date:	5/12/2018 18:31:59
Receipt Date:	20170406
Manifest ID:	016786718JJK
Trans EPA ID:	CAR000075424
Trans Name:	ENVIRO-GUARD
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BEST MANAGEMENT CONSTRUCTION, INC.
Address:	11502 1/2 JEFFREY RD.
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
EPA ID:	CAC002844882
Inactive Date:	04/15/2016
Create Date:	01/14/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	11502 1/2 JEFFREY RD.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 92602
Owner Name:	JULIAN MENDEZ
Owner Address:	11502 1/2 JEFFREY RD.
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 92602
Contact Name:	JULIAN MENDEZ
Contact Address:	11502 1/2 JEFFREY RD.
Contact Address 2:	Not reported

BEST MANAGEMENT CONSTRUCTION, INC. (Continued) **S120988994**

City,State,Zip: IRVINE, CA 92602
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.718967
Longitude: -117.732814

NAICS:
EPA ID: CAC002844882
Create Date: 2016-01-14 16:38:00.110
NAICS Code: 23321
NAICS Description: Single Family Housing Construction
Issued EPA ID Date: 2016-01-14 16:38:00.11000
Inactive Date: 2016-04-15 03:00:22.39700
Facility Name: BEST MANAGEMENT CONSTRUCTION, INC.
Facility Address: 11502 1/2 JEFFREY RD.
Facility Address 2: Not reported
Facility City: IRVINE
Facility County: Not reported
Facility State: CA
Facility Zip: 92602

B15 **NAGAE LANDSCAPING** **FINDS 1008211225**
Target **11501 JEFFREY RD** **ECHO N/A**
Property **IRVINE, CA 92602**

Site 4 of 4 in cluster B

Actual:
401 ft.

FINDS:
Registry ID: 110021037796

Click Here for FRS Facility Detail Report:

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.
HAZARDOUS WASTE BIENNIAL REPORTER
Registry ID: 110070807389

Click Here for FRS Facility Detail Report:

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

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

ECHO:
Envid: 1008211225
Registry ID: 110021037796

NAGAE LANDSCAPING (Continued) **1008211225**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110021037796
Name: NAGAE LANDSCAPING
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602

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16 **EL MODENO GARDENS** **CA FID UST** **1000301018**
Target **11911 JEFFREY RD** **Orange Co. Industrial Site** **N/A**
Property **IRVINE, CA 92720** **CERS**

Actual: 388 ft.

CA FID UST:
Facility ID: 30009420
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 11911 JEFFREY RD
Mailing Address 2: Not reported
Mailing City,St,Zip: IRVINE 92720
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Orange Co. Industrial Site:
Name: EL MODENO GARDENS
Address: 11911 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Case ID: 10IC003
Record ID: RO0003542
Current Status: CLOSED 9/23/2010
Closure Type: Closure certification issued
Released Chemical: DDT; CHLORDAN; TOXAPHENE

CERS:
Name: EL MODENO GARDENS
Address: 11911 JEFFREY RD
City,State,Zip: IRVINE, CA 92602-
Site ID: 602443
CERS ID: T10000017722
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: IC SUPERVISOR - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER RD., SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

EL MODENO GARDENS (Continued) **1000301018**

Name: PACIFIC COAST PROPANE LLC
Address: 11911 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 398889
CERS ID: 10502611
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 398889
Site Name: PACIFIC COAST PROPANE LLC
Violation Date: 04-04-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 06/16/2016.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 398889
Site Name: PACIFIC COAST PROPANE LLC
Violation Date: 11-25-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/19/2019. Observation: Annual employee training program training records were not available for review. Per Vance, employees receive a 90-minute training every 6 months. Requested the content of the training; per Tim Huegel of Commercial Truck Consulting, he provides training on T49 and propane specific awareness and safety training. Per Section 25505(a)(3) Emergency response plans and procedures in the event of a release or threatened release of a hazardous material, including, but not limited to, all of the following: (A) Immediate notification contacts to the appropriate local emergency response personnel and to the unified program agency. (B) Procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment. (C) Evacuation plans and procedures, including immediate notice, for the business site. (4) Training for all new employees and annual training, including refresher courses, for all [Truncated]
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 398889
Site Name: PACIFIC COAST PROPANE LLC
Violation Date: 10-16-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Orange County Environmental Health

EL MODENO GARDENS (Continued) **1000301018**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 398889
Site Name: PACIFIC COAST PROPANE LLC
Violation Date: 10-16-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Not reported
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 398889
Site Name: PACIFIC COAST PROPANE LLC
Violation Date: 11-25-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/23/2020. Observation: The site map submitted on 3/1/2019 does not contain all of the information required by HSC 25505. The site map is missing the following items: - South loading area - Access/exit point (add 4 gates around LPG tank) - Add fire extinguisher (North East) Revise the following items: - Relocate the South West fire extinguisher Corrective Action: Within 30 days, update the inventory and the site map to reflect the location of any reportable quantities of hazardous materials currently on site. The site map must include all of the following: site orientation, loading areas, internal roads, adjacent streets, storm drains and sewers, access and exit points, emergency shut-offs (natural gas, water and electrical), evacuation staging areas, hazardous material storage areas, and emergency response equipment.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine inspection. This facility is unstaffed. Observed the 20,000 gallon propane tank. Emergency response and contact information is available. Received employee training records which are current.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-16-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency

EL MODENO GARDENS (Continued) **1000301018**

Eval Notes: Reviewed HMBEP submittal on CERS. Facility has disclosed 1 chemical. All forms were accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-09-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site for a follow up inspection. Inspection was conducted with Leticia Morales. Pinnacle Farms no longer operates farming activities at this location. Etchandy Farms appears to have assumed farming operations at this location. Pinnacle Farms is renting office space from the new owners. There are no hazardous materials associated with Pinnacle Farms at this location. Record closed.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-05-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The site map uploaded on 1/23/2020 was revised to include the South loading area and changes to fire extinguisher locations. Violation I632 has been corrected and closed. There are no outstanding violations at this time.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has complied with the 2017 reporting requirement. Reviewed and declined HMBEP submittal. The following corrections are still needed: CHEMICAL INVENTORY Remove the EHS from the Mixture Chart Max Daily amount is the total volume of the largest container along with any other containers on site. During the 8/31/16 inspection, it was noted that there are several smaller propane cylinders in addition to the tank at this location. Correct the Max Daily Amount.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-02-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1) Violation I239 has been corrected and closed. Received Emergency Response/Contingency Plan Employee Training Record (25505 HSC) Irvine, CA Site document dated 12/19/2019 for 4 employees trained by Tim Huegel. 2) Violation I632 remains open. Observation: The site map submitted on 12/5/2019 does not contain all of the information required by HSC 25505. The site map is missing the following items: -

EL MODENO GARDENS (Continued) **1000301018**

South loading area - Add fire extinguisher (North East) Revise the following items: - Relocate the South West fire extinguisher Corrective Action: Within 30 days, update the inventory and the site map to reflect the location of any reportable quantities of hazardous materials currently on site. The site map must include all of the following: site orientation, loading areas, internal roads, adjacent streets, storm drains and sewers, access and exit points, emergency shut-offs (natural gas, water and electrical), evacuation staging areas, hazardous material [Truncated]

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

Eval General Type: Other/Unknown
Eval Date: 04-04-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has not complied with the requirement to submit the Hazardous Materials and Business Emergency Plan annually. Electronic submittal was due by March 1, 2016. Submit electronic documents within 30 days.

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site to conduct a routine hazardous materials inspection. Facility has disclosed one chemical: propane (20,000 gallon tank). There are additional smaller propane tanks (17) stored at this location which will need to be added to the amount listed under maximum daily amount field. Verified that the largest container is the 20,000 gallon tank. Site map was reviewed and appears to be accurate. There was no one on site to determine if annual hazardous materials business emergency plan training is conducted, as the site contact did not attend this inspection. This is an unmanned location. The facility consists of the propane tank and the chain link fence surrounding it. CERS submittal status for the hazardous materials inventory component is being changed to not accepted . Please log back into your submittal and correct the max daily amount field within 30 days.

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

Eval General Type: Other/Unknown
Eval Date: 10-16-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is

EL MODENO GARDENS (Continued) **1000301018**

in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit the following HMD/BEP forms within the next 30 days: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business [Truncated]

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Chemicals observed on this date were: 1 x 20,000-gallon aboveground storage tank (AST) of liquefied propane gas (LPG) Per Vance Morris (Service Tech), the cylinders stored in the cage are empty. Propane gauges were observed to be at the empty level on this date. Delivery drivers fill their tanks from the AST. Drivers only transport empty cylinders. The cylinders are then filled by the delivery driver on location at the job sites. Propane cylinders are recertified at the Ontario facility after the first 12 years. The second recertification is then after 5 years (relief valve is changed). If there is residual propane, the Ontario facility has a flare-off stack where the propane container is hooked up and then burned off. Per e-mail from Joey Ramirez of PCPropane: The records for last three years may take a couple of days. But yes we are aware annual training will be due so that will happen beginning in 2020. Attached is our training workbook outline. [Truncated]

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

Coordinates:
Site ID: 398889
Facility Name: PACIFIC COAST PROPANE LLC
Env Int Type Code: HMBP
Program ID: 10502611
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.729060
Longitude: -117.739150

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Identification Signer

EL MODENO GARDENS (Continued) **1000301018**

Entity Name:	Andrew Kelegian
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	PACIFIC COAST PROPANE LLC
Entity Title:	Not reported
Affiliation Address:	539 W. Main Street
Affiliation City:	Ontario
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91762
Affiliation Phone:	(951) 453-2100,
Affiliation Type Desc:	Document Preparer
Entity Name:	Joey Ramirez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11911 Jeffrey Rd
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Andrew Kelegian
Entity Title:	Not reported
Affiliation Address:	11911 Jeffrey Rd
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92602
Affiliation Phone:	(951) 453-2100,
Affiliation Type Desc:	Operator
Entity Name:	PACIFIC COAST PROPANE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

EL MODENO GARDENS (Continued) **1000301018**

Affiliation Phone:	(951) 453-2100,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PACIFIC COAST PROPANE LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ANDREW KELEGIAN
Entity Title:	Not reported
Affiliation Address:	11911 Jeffrey Rd
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,

C17 **IRVINE VALENCIA GROWERS** **FINDS** **1024678654**
Target **11501 JEFFREY RD** **ECHO** **N/A**
Property **IRVINE, CA 92602**

Site 1 of 2 in cluster C

Actual:
497 ft.

FINDS:
Registry ID: 110070467048

Click Here for FRS Facility Detail Report:

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

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

ECHO:

Envid:	1024678654
Registry ID:	110070467048
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070467048
Name:	IRVINE VALENCIA GROWERS
Address:	11501 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602

C18 **SUCHY TRENCHING INC** **FINDS** **1024661321**
Target **11501 JEFFREY RD** **ECHO** **N/A**
Property **IRVINE, CA 92602**

Site 2 of 2 in cluster C

Actual:
497 ft.

FINDS:
Registry ID: 110070449715

Click Here for FRS Facility Detail Report:

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

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

ECHO:

Envid:	1024661321
Registry ID:	110070449715
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070449715
Name:	SUCHY TRENCHING INC
Address:	11501 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602

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19 **GATEWAY PARK STOCKPILE PLAN** **CIWQS** **S121183795**
Target **SOUTH OF JEFFERY ROAD AND EAST OF PORTOLA PARKWAY** **CERS** **N/A**
Property **IRVINE, CA 92620**

Actual:
373 ft.

CIWQS:

Name:	GATEWAY PARK STOCKPILE PLAN
Address:	SOUTH OF JEFFERY ROAD AND EAST OF PORTOLA PARKWAY
City,State,Zip:	IRVINE, CA 92620
Agency:	Irvine Community Development Company LLC
Agency Address:	550 Newport Center Drive, Newport Beach, CA 92660
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 30C380925
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/30/2017
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.71701
Longitude:	-117.73641

GATEWAY PARK STOCKPILE PLAN (Continued) **S121183795**

CERS:
- Name: GATEWAY PARK STOCKPILE PLAN
- Address: SOUTH OF JEFFERY ROAD AND EAST OF PORTOLA PARKWAY
- City,State,Zip: IRVINE, CA 92620
- Site ID: 532624
- CERS ID: 858298
- CERS Description: Construction Storm Water

Affiliation:
- Affiliation Type Desc: Owner/Operator
- Entity Name: Irvine Community Development Company LLC
- Entity Title: Operator
- Affiliation Address: 550 Newport Center Drive
- Affiliation City: Newport Beach
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: 92660
- Affiliation Phone: ,

D20 Target Property **STICE COMPANY**
10851 JEFFREY RD
IRVINE, CA 92602

HAZNET **S124668597**
HWTS **N/A**

Site 1 of 3 in cluster D

Actual: 506 ft.

HAZNET:
- Name: STICE COMPANY
- Address: 10851 JEFFREY RD
- Address 2: Not reported
- City,State,Zip: IRVINE, CA 92602
- Contact: JONATHAN STICE
- Telephone: 9496544600
- Mailing Name: Not reported
- Mailing Address: 10851 JEFFREY RD

- Year: 2021
- Gepaid: CAC003106371
- TSD EPA ID: CAD982444481
- CA Waste Code: 223 - Unspecified oil-containing waste
- Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
- Tons: 1.16764

- Year: 2018
- Gepaid: CAC002948895
- TSD EPA ID: CAD982444481
- CA Waste Code: 223 - Unspecified oil-containing waste
- Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
- Tons: 1.25100

HWTS:
- Name: STICE COMPANY
- Address: 10851 JEFFREY RD
- Address 2: Not reported

STICE COMPANY (Continued) **S124668597**

City,State,Zip: IRVINE, CA 92602
EPA ID: CAC003106371
Inactive Date: 05/21/2021
Create Date: 02/19/2021
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 10851 JEFFREY RD
Mailing Address 2: Not reported
Mailing City,State,Zip: IRVINE, CA 92602
Owner Name: STICE CO INC.
Owner Address: 10851 JEFFREY RD
Owner Address 2: Not reported
Owner City,State,Zip: IRVINE, CA 92602
Contact Name: JONATHAN STICE
Contact Address: 10851 JEFFREY RD
Contact Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.720084
Longitude: -117.72267398

NAICS:
EPA ID: CAC003106371
Create Date: 2021-02-19 08:27:13.757
NAICS Code: 999999
NAICS Description: Not Otherwise Specified
Issued EPA ID Date: 2021-02-19 08:27:13.76000
Inactive Date: 2021-05-21 08:27:13.75300
Facility Name: STICE COMPANY
Facility Address: 10851 JEFFREY RD
Facility Address 2: Not reported
Facility City: IRVINE
Facility County: Not reported
Facility State: CA
Facility Zip: 92602

Name: STICE COMPANY
Address: 10851 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
EPA ID: CAC002948895
Inactive Date: 05/19/2018
Create Date: 02/16/2018
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 10851 JEFFREY RD
Mailing Address 2: Not reported
Mailing City,State,Zip: IRVINE, CA 92602
Owner Name: STACEY BARNHART
Owner Address: 10851 JEFFREY RD
Owner Address 2: Not reported
Owner City,State,Zip: IRVINE, CA 92602
Contact Name: STACEY BARNHART
Contact Address: 10851 JEFFREY RD
Contact Address 2: Not reported

STICE COMPANY (Continued) **S124668597**

City,State,Zip: IRVINE, CA 92602
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.725661
Longitude: -117.727127

D21 **NAKAE & ASSOCIATES, INC.** **FINDS** **1024668162**
Target **11159 JEFFREY RD** **ECHO** **N/A**
Property **IRVINE, CA 92602**

Site 2 of 3 in cluster D

Actual:
508 ft.

FINDS:
Registry ID: 110070456556

Click Here for FRS Facility Detail Report:

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

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

ECHO:
Envid: 1024668162
Registry ID: 110070456556
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070456556
Name: NAKAE & ASSOCIATES, INC.
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602

D22 **GRIFFITH CO INC** **HWTS** **S124571165**
Target **11501 JEFFREY RD** **N/A**
Property **IRVINE, CA 92720**

Site 3 of 3 in cluster D

Actual:
509 ft.

HWTS:
Name: GRIFFITH CO INC
Address: 11501 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92720
EPA ID: CAC002553044
Inactive Date: 03/18/2003
Create Date: 06/17/2002
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 2020 S YALE ST
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA ANA, CA 927040000
Owner Name: GRIFFITH CO INC

GRIFFITH CO INC (Continued) **S124571165**

Owner Address: 2020 S YALE ST
Owner Address 2: Not reported
Owner City,State,Zip: SANTA ANA, CA 927040000
Contact Name: JENENE RATTI/DISPATCHER
Contact Address: 2020 S YALE ST
Contact Address 2: Not reported
City,State,Zip: SANTA ANA, CA 927040000
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.760039
Longitude: -117.871491

Name: SITE SOLUTION SERVICES
Address: 11501 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
EPA ID: CAC003056338
Inactive Date: 05/19/2020
Create Date: 02/18/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 5426 CALHOUN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SHERMAN OAKS, CA 91401
Owner Name: SITE SOLUTIONS SERVICES
Owner Address: 5426 CALHOUN AVE
Owner Address 2: Not reported
Owner City,State,Zip: SHERMAN OAKS, CA 91401
Contact Name: STUART LIPSETT
Contact Address: 5426 CALHOUN AVE
Contact Address 2: Not reported
City,State,Zip: SHERMAN OAKS, CA 91401
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.719832
Longitude: -117.7222725

NAICS:
EPA ID: CAC003056338
Create Date: 2020-02-18 10:51:36.900
NAICS Code: 99999
NAICS Description: Not Otherwise Specified
Issued EPA ID Date: 2020-02-18 10:51:36.90000
Inactive Date: 2020-05-19 10:51:36.88700
Facility Name: SITE SOLUTION SERVICES
Facility Address: 11501 JEFFREY RD
Facility Address 2: Not reported
Facility City: IRVINE
Facility County: Not reported
Facility State: CA
Facility Zip: 92602

NPL **EL TORO MARINE CORPS AIR STATION** **NPL** **1000417911**
Region **EL TORO MARINE CORPS AIR STA** **SEMS** **CA6170023208**
SSE **EL TORO, CA 92709** **CORRACTS**
1/2-1 **RCRA-TSDF**
5070 ft. **RCRA-SQG**
US ENG CONTROLS
US INST CONTROLS
ROD
RAATS
PRP
PFAS NPL

NPL:

EPA Region:	9
EPA ID:	CA6170023208
Site ID:	902770
Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip:	EL TORO, CA 92709
Federal:	Y
Final Date:	1990-02-21 00:00:00
Latitude:	33.676669
Longitude:	-117.7176
Site Score:	37.43
NAI:	Not reported
Native American Entity:	Not reported

Substance as of 08/2019:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A046
CAS Number:	1336-36-3
Substance:	POLYCHLORINATED BIPHENYLS
Pathway:	NO PATHWAY INDICATED
Scoring:	1

NPL Status:	Currently on the Final NPL
Substance ID:	D008
CAS Number:	7439-92-1
Substance:	LEAD (PB)
Pathway:	GROUND WATER PATHWAY
Scoring:	3

NPL Status:	Currently on the Final NPL
Substance ID:	U044
CAS Number:	67-66-3
Substance:	CHLOROFORM
Pathway:	GROUND WATER PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	U210
CAS Number:	127-18-4
Substance:	TETRACHLOROETHENE

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U211
CAS Number: 56-23-5
Substance: CARBON TETRACHLORIDE
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: U228
CAS Number: 79-01-6
Substance: TRICHLOROETHYLENE (TCE)
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at proposal June 24, 1988): The El Toro Marine Corps Air Station covers approximately 4,700 acres southeast of Santa Ana in El Toro, Orange County, California. Commissioned in 1943, it supports the Fleet Marine Forces in the Pacific Ocean. The surrounding area, once primarily agricultural, is urbani ing rapidly. Station El Toro is participating in the Installation Restoration Program IRP), established in 1978. Under the program, the Department of Defense seeksto identify, investigate, and clean up contamination from ha ardous materials. As part of IRP, the Navy identified 21 problem areas at the station, including three landfills containing both ha ardous and solid waste; buried drums of explosivesand low-level radioactive waste; and areas where PCBs, battery acids, leaded fuels, and other ha ardous substances were dumped or spilled. In tests conducted early in 1987, the Orange County Water District found trichloroethylene and tetrachloroethylene in shallow irrigation wells on and downgradient of the site. An estimated 1,100 acres of land are irrigated by wells within 3 miles of the site. Status February 21, 1990): In April 1989, Station El Toro prepared a Perimeter Investigation Interim Report which focused on four contaminated areas. Further studies are continuing to determine the extent and sources of contamination.

Category as of 08/2019:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 50 And <= 100 Feet
Category Value: 100

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Narratives as of 08/2019:
NPL Name: EL TORO MARINE CORPS AIR STATION

Site as of 08/2019:
EPA Region: 09
Site ID: 0902770
Site Status: F
Federal Site: Y

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Date Deleted: Not reported
Date Finalized: 02/21/90
Date Proposed: 06/24/88

Site Status as of 08/2019:
Proposed Date: 06/24/1988
Final Date: 02/21/1990
Deleted Date: Not reported
NPL Status: Final

Narr:
Site Name: El Toro Marine Corps Air Station
Site EPA ID: CA6170023208
Listing Date: 2/21/1990
Site Score: 37.43
Federal Facility Indicator: Yes
Site List URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902770
Site Progress URL: https://semspub.epa.gov/src/document/11/189635
Federal Register URL: #VALUE!
Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL__Sites_with_Status_Information_7557,SITE_EPA_ID=%27CA6170023208%27

SEMS:
Site ID: 0902770
EPA ID: CA6170023208
Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA
Address 2: EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
Cong District: 45,47
FIPS Code: 06059
Latitude: 33.676669
Longitude: -117.717600
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1988-06-24 04:00:00
Finish Date: 1988-06-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1987-06-01 04:00:00
Finish Date:	1987-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1990-02-21 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1990-02-21 05:00:00
Finish Date:	1990-02-21 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-10-01 04:00:00
Finish Date:	1986-10-01 04:00:00
Qual:	H

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05
Action Code: LW
Action Name: FF RI/FS
SEQ: 1
Start Date: 1990-09-28 04:00:00
Finish Date: 2005-03-07 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 08
Action Code: RO
Action Name: ROD
SEQ: 8
Start Date: 2012-02-09 05:00:00
Finish Date: 2012-02-09 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 07
Action Code: RO
Action Name: ROD
SEQ: 7
Start Date: 2001-06-06 04:00:00
Finish Date: 2001-06-06 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 02
Action Code: LW
Action Name: FF RI/FS
SEQ: 7

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Start Date: 1990-09-28 04:00:00
Finish Date: 1997-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 3
Start Date: 2005-08-25 04:00:00
Finish Date: 2009-03-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 06
Action Code: LW
Action Name: FF RI/FS
SEQ: 6
Start Date: 1990-09-28 04:00:00
Finish Date: 1997-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05
Action Code: RO
Action Name: ROD
SEQ: 10
Start Date: 2008-03-06 05:00:00
Finish Date: 2008-03-06 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 09

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action Code:	RO
Action Name:	ROD
SEQ:	11
Start Date:	2003-08-16 04:00:00
Finish Date:	2003-08-16 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	09
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	8
Start Date:	1994-04-30 04:00:00
Finish Date:	2002-08-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	02
Action Code:	LY
Action Name:	FF RA
SEQ:	2
Start Date:	1999-05-17 04:00:00
Finish Date:	2002-06-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	LZ
Action Name:	FF CR
SEQ:	1
Start Date:	1990-09-28 04:00:00
Finish Date:	2020-04-12 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	2
Start Date:	1998-01-06 05:00:00
Finish Date:	1999-01-20 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	07
Action Code:	NH
Action Name:	FF RI
SEQ:	2
Start Date:	1997-09-30 04:00:00
Finish Date:	1999-09-07 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	04
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	4
Start Date:	1990-09-28 04:00:00
Finish Date:	2000-07-12 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	5
Start Date:	1990-09-28 04:00:00
Finish Date:	2002-06-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	03
Action Code:	LX
Action Name:	FF RD
SEQ:	8
Start Date:	2007-09-12 04:00:00
Finish Date:	2008-12-30 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	03
Action Code:	LY
Action Name:	FF RA
SEQ:	8
Start Date:	2009-01-22 05:00:00
Finish Date:	2012-04-30 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	00
Action Code:	LZ
Action Name:	FF CR
SEQ:	2
Start Date:	1990-02-21 05:00:00
Finish Date:	2020-04-12 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	09
Action Code:	TS
Action Name:	TRTSTUDY
SEQ:	1
Start Date:	2000-08-28 04:00:00
Finish Date:	2002-08-28 04:00:00
Qual:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 9
Start Date: 2007-05-08 04:00:00
Finish Date: 2007-05-08 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 08
Action Code: NH
Action Name: FF RI
SEQ: 1
Start Date: 1990-09-28 04:00:00
Finish Date: 1993-12-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 2002-06-27 04:00:00
Finish Date: 2002-06-27 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 04
Action Code: RO
Action Name: ROD
SEQ: 3

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Start Date: 2000-07-12 04:00:00
Finish Date: 2000-07-12 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 04
Action Code: LW
Action Name: FF RI/FS
SEQ: 9
Start Date: 2004-10-25 04:00:00
Finish Date: 2005-12-19 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 08
Action Code: LX
Action Name: FF RD
SEQ: 7
Start Date: 2012-01-03 05:00:00
Finish Date: 2012-12-19 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1997-09-29 04:00:00
Finish Date: 1997-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action Code:	LY
Action Name:	FF RA
SEQ:	4
Start Date:	2009-08-17 05:00:00
Finish Date:	2013-06-10 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	05
Action Code:	LX
Action Name:	FF RD
SEQ:	4
Start Date:	2008-09-01 04:00:00
Finish Date:	2009-08-13 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	01
Action Code:	LY
Action Name:	FF RA
SEQ:	1
Start Date:	2005-03-21 05:00:00
Finish Date:	2008-03-27 04:00:00
Qual:	IR
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	04
Action Code:	LX
Action Name:	FF RD
SEQ:	3
Start Date:	2000-07-12 04:00:00
Finish Date:	2005-11-22 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 13
Start Date: 2006-03-14 05:00:00
Finish Date: 2006-03-14 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 09
Action Code: LX
Action Name: FF RD
SEQ: 9
Start Date: 2005-07-22 04:00:00
Finish Date: 2006-01-20 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 09
Action Code: LY
Action Name: FF RA
SEQ: 9
Start Date: 2006-01-20 05:00:00
Finish Date: 2007-10-09 04:00:00
Qual: IR
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 01
Action Code: LX
Action Name: FF RD
SEQ: 1
Start Date: 2003-03-01 05:00:00
Finish Date: 2005-05-31 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	03
Action Code:	LX
Action Name:	FF RD
SEQ:	5
Start Date:	2000-01-13 05:00:00
Finish Date:	2005-03-31 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	1990-09-28 04:00:00
Finish Date:	2002-06-27 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	03
Action Code:	LY
Action Name:	FF RA
SEQ:	5
Start Date:	2005-03-24 05:00:00
Finish Date:	2006-02-03 05:00:00
Qual:	FR
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	06
Action Code:	RO
Action Name:	ROD
SEQ:	6
Start Date:	1997-09-29 04:00:00
Finish Date:	1997-09-29 04:00:00
Qual:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00
Qual: H
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 5
Start Date: 1999-09-30 04:00:00
Finish Date: 1999-09-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05
Action Code: LW
Action Name: FF RI/FS
SEQ: 10
Start Date: 2005-12-06 05:00:00
Finish Date: 2006-12-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05
Action Code: RO
Action Name: ROD
SEQ: 15

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Start Date: 2010-08-09 04:00:00
Finish Date: 2010-08-09 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 08
Action Code: NH
Action Name: FF RI
SEQ: 3
Start Date: 2005-06-03 04:00:00
Finish Date: 2006-12-29 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 09
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2007-10-09 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 01
Action Code: OM
Action Name: OM
SEQ: 2
Start Date: 2008-03-27 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 05

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action Code:	LX
Action Name:	FF RD
SEQ:	12
Start Date:	2011-07-01 05:00:00
Finish Date:	2011-07-19 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	05
Action Code:	LY
Action Name:	FF RA
SEQ:	11
Start Date:	2011-07-19 05:00:00
Finish Date:	2013-01-22 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	08
Action Code:	LY
Action Name:	FF RA
SEQ:	10
Start Date:	2013-09-14 05:00:00
Finish Date:	2019-05-02 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION
NPL:	F
FF:	Y
OU:	08
Action Code:	LX
Action Name:	FF RD
SEQ:	11
Start Date:	2014-04-30 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902770
EPA ID:	CA6170023208
Site Name:	EL TORO MARINE CORPS AIR STATION

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

NPL: F
FF: Y
OU: 08
Action Code: NI
Action Name: FF FS
SEQ: 2
Start Date: 2007-01-29 05:00:00
Finish Date: 2011-04-13 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 08
Action Code: NI
Action Name: FF FS
SEQ: 1
Start Date: 2007-01-29 05:00:00
Finish Date: 2008-08-29 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902770
EPA ID: CA6170023208
Site Name: EL TORO MARINE CORPS AIR STATION
NPL: F
FF: Y
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-08-01 04:00:00
Finish Date: 1986-08-01 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

CORRACTS:
Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19960501
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Address 2: Not reported
EPA ID: CA6170023208
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19960501
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: OU2A - VADOSE ZONE SOILS
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19970123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: OU2A - VADOSE ZONE SOILS
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19970123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: OU2A - VADOSE ZONE SOILS
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19970123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: OU2A - VADOSE ZONE SOILS
Corrective Action: CMS COMPLETE
Actual Date: 19970123
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: FOST 1
Corrective Action: CA PROCESS IS TERMINATED-REMEDIAL ACTIVITIES COMPLETE
Actual Date: 20040723
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19980617
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19980617
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: MARINE CORPS AIR STATION, EL TORO
Address: MCAS EL TORO
Address 2: Not reported
EPA ID: CA6170023208
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY DECISION
Actual Date: 19970930
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access additional CORRACTS: detail in the EDR Site Report.

RCRA TSDF:
Treatment Storage and Disposal Type: Storage, Treatment
Full Enforcement Universe: Treatment
Corrective Action Workload Universe: Yes

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Treatment
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Treatment
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20020129
Handler Name:	Marine Corps Air Station, El Toro
Handler Address:	MCAS EL TORO
Handler City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Contact Name:	EDWARD L NUNN
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	619-572-1404
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CARETAKER SITE OFFICE
Mailing City,State,Zip:	EAST IRVINE, CA 92650
Owner Name:	U.S. Marine Corps
Owner Type:	Federal
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D040
Waste Description: TRICHLORETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MCAS EL TORO	
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	FACILITIES MGMT DEPT 1JG
Owner/Operator City,State,Zip:	SANTA ANA, CA 92709
Owner/Operator Telephone:	714-726-2821
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: USMC AIR STATION EL TORO

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 95001
Owner/Operator City,State,Zip: SANTA ANA, CA 92709-5001
Owner/Operator Telephone: 714-726-3705
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: U.S. MARINE CORPS
Legal Status: Federal
Date Became Current: 19430317
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: U.S. MARINE CORPS
Legal Status: Federal
Date Became Current: 19430317
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: USMC AIR STATION EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020129
Handler Name: MARINE CORPS AIR STATION, EL TORO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19931026
Handler Name: USMC AIR STATION EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920229
Handler Name: MCAS EL TORO FMD 1JG B.368
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: USMC MCAS EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960131
Handler Name: USMC MCAS EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990415

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Handler Name: MCAS EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: MCAS EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020129
Handler Name: MARINE CORPS AIR STATION, EL TORO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 115112
NAICS Description: SOIL PREPARATION, PLANTING, AND CULTIVATING

NAICS Code: 92119
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19921005
Actual Return to Compliance Date:	19921209
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	19921229
Enforcement Identifier:	009
Date of Enforcement Action:	19921009
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	KBELL
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19931228
Actual Return to Compliance Date: 19940117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19931228
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19970520
Actual Return to Compliance Date: 19980114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19970520
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921209
Actual Return to Compliance Date:	19940926
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930310
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	80500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19960327
Actual Return to Compliance Date:	19960927
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19960327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960326
Actual Return to Compliance Date: 19960927
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19960327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890817
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900613
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921209
Actual Return to Compliance Date:	19940926
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930310
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	80500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880817
Actual Return to Compliance Date:	19890711
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881117
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870305
Actual Return to Compliance Date: 19880817
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 42000
Paid Amount: 42000
Final Count: 1
Final Amount: 42000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870305
Actual Return to Compliance Date: 19880817
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930310
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 80500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930310
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 80500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960327
Actual Return to Compliance Date: 19960927
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19960327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950419
Actual Return to Compliance Date:	19950501
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19950419
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19921209
Actual Return to Compliance Date:	19940926
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950419
Actual Return to Compliance Date: 19950501
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19950419
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930310
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 80500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890817
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19870305
Actual Return to Compliance Date: 19880817
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 42000
Paid Amount: 42000
Final Count: 1
Final Amount: 42000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19890711
Actual Return to Compliance Date:	19900613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19890817
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19890711
Actual Return to Compliance Date:	19900613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 42000
Paid Amount: 42000
Final Count: 1
Final Amount: 42000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 42000
Paid Amount: 42000
Final Count: 1
Final Amount: 42000

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	42000
Paid Amount:	42000
Final Count:	1
Final Amount:	42000
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19890711
Actual Return to Compliance Date:	19911125
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950419
Actual Return to Compliance Date:	19950501
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19950419
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930310
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	80500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19921005
Actual Return to Compliance Date:	19921209
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	19921229
Enforcement Identifier:	009
Date of Enforcement Action:	19921009
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	KBELL
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19890711
Actual Return to Compliance Date:	19911125
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19890817
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19900928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890711
Actual Return to Compliance Date: 19900613
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19970520
Actual Return to Compliance Date: 19980114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19970520
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19900613
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19900806
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19921224
Enforcement Identifier: 001
Date of Enforcement Action: 19921209
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960327
Actual Return to Compliance Date: 19960927
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19960327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19970520
Actual Return to Compliance Date: 19980114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19970520
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19960327
Actual Return to Compliance Date: 19960927
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19960327
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19970520
Actual Return to Compliance Date: 19980114
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19970520
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880817
Actual Return to Compliance Date: 19890711
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19881117
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19910930
Actual Return to Compliance Date: 19911125
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 008
Date of Enforcement Action: 19911021
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19921209
Actual Return to Compliance Date: 19940926
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19930426
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 42000
Paid Amount: 42000
Final Count: 1
Final Amount: 42000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950419
Actual Return to Compliance Date: 19950501
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19950419
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19890711
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19900613
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920617
Evaluation Responsible Agency: EPA Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19921209
Scheduled Compliance Date: 19921229
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960927
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960927
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900613
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870305
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880817
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870305
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880817
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960927
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870305
Evaluation Responsible Agency:	EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880817
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920617
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19921209
Scheduled Compliance Date:	19921229
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890711
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900613
Evaluation Responsible Agency:	EPA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	19921224
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960927

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960927
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920917
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980114
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Date:	19880817
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890711
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910617
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911125
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940926
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

SIte:

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
Event Code:	Not reported
Action Taken Date:	02/09/2012
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	8
Operable Unit:	08
Contaminated Media:	Groundwater
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

Media:

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/29/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	09/29/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

EPA ID:	CA6170023208
Contaminated Media:	Soil Gas
Action ID:	2
Operable Unit:	01
Action Name:	Explanation of Significant Differences
Action Taken Date:	12/15/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	3
Operable Unit:	04
Action Name:	Explanation of Significant Differences
Action Taken Date:	07/29/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	3
Operable Unit:	04
Action Name:	Explanation of Significant Differences
Action Taken Date:	07/29/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/27/2002

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/27/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/27/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/27/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

EPA ID: CA6170023208
Contaminated Media: Soil
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/29/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

EPA ID: CA6170023208
Contaminated Media: Soil
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/29/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

EPA ID: CA6170023208
Contaminated Media: Soil
Action ID: 3
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 07/12/2000
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2000
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

EPA ID: CA6170023208

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Contaminated Media:	Groundwater
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	07/12/2000
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2000
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	07/12/2000
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2000
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	09/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Sediment
Action ID:	6
Operable Unit:	06
Action Name:	Record of Decision
Action Taken Date:	09/29/1997
Event Code:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	5
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	09/30/1999
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1999
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	6
Operable Unit:	06
Action Name:	Record of Decision
Action Taken Date:	09/29/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Explanation of Significant Differences
Action Taken Date:	03/14/2006
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Explanation of Significant Differences
Action Taken Date:	03/14/2006
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Surface Water
Action ID:	6
Operable Unit:	06
Action Name:	Record of Decision
Action Taken Date:	09/29/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	7
Operable Unit:	07
Action Name:	Record of Decision
Action Taken Date:	06/06/2001
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2001
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Groundwater

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action ID:	8
Operable Unit:	08
Action Name:	Record of Decision
Action Taken Date:	02/09/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	8
Operable Unit:	08
Action Name:	Record of Decision
Action Taken Date:	02/09/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	8
Operable Unit:	08
Action Name:	Record of Decision
Action Taken Date:	02/09/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	05/08/2007
Event Code:	Not reported
Contact Name:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	05/08/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	05/08/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	05/08/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	05/08/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	10

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	11
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	08/16/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	10
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	03/06/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600
EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	11
Operable Unit:	09

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action Name:	Record of Decision
Action Taken Date:	08/16/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	11
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	08/16/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	11
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	08/16/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	11
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	08/16/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	13
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/14/2006
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	13
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	03/14/2006
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Groundwater
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Landfill Gas
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Soil
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EPA ID:	CA6170023208
Contaminated Media:	Solid Waste
Action ID:	15
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	08/09/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

US INST CONTROLS:

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	05
Actual Date:	08/09/2010
Contaminated Media:	Solid Waste
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	01
Actual Date:	06/27/2002
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	3
Operable Unit:	04
Actual Date:	07/12/2000
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Federal Facility: Y
Fiscal Year: 2000
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA
Address 2: Not reported
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
Action Name: Record of Decision
Action ID: 3
Operable Unit: 04
Actual Date: 07/12/2000
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2000
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA
Address 2: Not reported
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
Action Name: Record of Decision
Action ID: 8
Operable Unit: 08
Actual Date: 02/09/2012
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.676669
Longitude: -117.717600

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA
Address 2: Not reported
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
Action Name: Record of Decision
Action ID: 10
Operable Unit: 05

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Actual Date:	03/06/2008
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	10
Operable Unit:	05
Actual Date:	03/06/2008
Contaminated Media:	Solid Waste
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

Name:	EL TORO MARINE CORPS AIR STATION
Address:	EL TORO MARINE CORPS AIR STA
Address 2:	Not reported
City,State,Zip:	EL TORO, CA 92709
EPA ID:	CA6170023208
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	05
Actual Date:	08/09/2010
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.676669
Longitude:	-117.717600

ROD:

Name:	EL TORO MARINE CORPS AIR STATION

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ESD
Operable Unit Number: BASEWIDE GROUNDWATER
SEQ ID: 1
Action Completion: 2006-03-14 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ESD
Operable Unit Number: BASEWIDE GROUNDWATER
SEQ ID: 2
Action Completion: 2008-12-15 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ESD
Operable Unit Number: LANDFILLS: SITES 2 & 17
SEQ ID: 3
Action Completion: 2009-07-29 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD
Operable Unit Number: NFA: SITES 7 & 14
SEQ ID: 7
Action Completion: 2001-06-06 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BASEWIDE GROUNDWATER
SEQ ID: 1
Action Completion: 2002-06-27 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOIL VOC SOURCE AREA: SITE 24
SEQ ID: 2
Action Completion: 1997-09-29 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: LANDFILLS: SITES 2 & 17
SEQ ID: 3
Action Completion: 2000-07-12 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOIL SITES: 8, 11, 12
SEQ ID: 5
Action Completion: 1999-09-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: NFA SITES
SEQ ID: 6
Action Completion: 1997-09-29 00:00:00
NPL Status: Final

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: EOD RANGE: SITE 1
SEQ ID: 8
Action Completion: 2012-02-09 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOIL SITES: 8, 11, 12
SEQ ID: 9
Action Completion: 2007-05-08 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: LANDFILLS: SITES 3 & 5
SEQ ID: 10
Action Completion: 2008-03-06 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BURN PITS: SITE 16
SEQ ID: 11
Action Completion: 2003-08-16 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOIL VOC SOURCE AREA: SITE 24
SEQ ID: 13
Action Completion: 2006-03-14 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA EL TORO M C A S
City,State,Zip: EL TORO, CA 92709
EPA ID: CA6170023208
RG: 9
Site ID: 902770
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: LANDFILLS: SITES 3 & 5
SEQ ID: 15
Action Completion: 2010-08-09 00:00:00
NPL Status: Final
Non NPL Status: Not reported

RAATS:
Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 1 270.71(A)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: .00
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 2 270.72(A)(1)

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 3 262.11
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 4 265.13(A)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 5 265.13(A)(2)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 6 262.34(A)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 7 265.171
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 8 40 CFR 173(A)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 9 262.34(A)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 10 265.31
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 11 262.34(A)(4)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 12 265.15(A)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

Entry No: 1
Facility ID: CA6170023208
Type: Not reported
Docket No: Not reported
Region: 09
Issue Date: 09/28/1990
Final Date: 08/06/1990
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 470
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 13 265.73(B)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FFCA ON 9/28/90

EL TORO MARINE CORPS AIR STATION (Continued) **1000417911**

PRP:
PRP Name: NAVAL FACILITIES ENGINEERING COMMAND
STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES
STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES
STATE OF CALIFORNIA/DEPT. OF WATER QUALITY
STATE OF CALIFORNIA/DEPT. OF WATER QUALITY
USM CORP.
USM CORP.

PFAS NPL:
EPA Region: 09
Name: EL TORO MARINE CORPS AIR STATION
Address: EL TORO MARINE CORPS AIR STA
City,State,Zip: EL TORO, CA 92709
EPAID: CA6170023208
Superfund Link: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902770&msspp=med
Data Systems: SEMS
Last Updated: 2019-02-28 00:00:00
Programs: Superfund
Location Type: Federal
NPL Site: Y
NPL Status: Final
Media Detected: GW
Health Advisory: N
DW Response: -
Latitude: 33.676669
Longitude: -117.7176
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.7176,%22y%22:33.676669,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

E23 **IRVINE VALENCIA GROWERS** **CERS HAZ WASTE** **S124437686**
ENE **11501 JEFFREY RD** **CERS TANKS** **N/A**
< 1/8 **IRVINE, CA 92602** **CERS**
0.011 mi.
60 ft. **Site 1 of 2 in cluster E**

Relative: **Higher**
Actual: **593 ft.**

CERS HAZ WASTE:
Name: IRVINE VALENCIA GROWERS
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 521557
CERS ID: 10790038
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: IRVINE VALENCIA GROWERS
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 521557
CERS ID: 10790038
CERS Description: Aboveground Petroleum Storage

CERS:
Name: IRVINE VALENCIA GROWERS
Address: 11501 JEFFREY RD

IRVINE VALENCIA GROWERS (Continued) **S124437686**

City,State,Zip: IRVINE, CA 92602
Site ID: 521557
CERS ID: 10790038
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. An inspection of the facility was completed with Jess Ruiz. Observed the hazardous materials storage areas. The following reportable hazardous materials were observed today: Engine oil Hydraulic oil Gear oil Waste oil Diesel fuel Propane Ammonium nitrate Potassium Thiosulfate Emergency response and contact information is available for review. Employee training is current.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. An inspection of the facility was completed with Jess Ruiz. Observed the shop area, waste storage area, perimeter of facility and trash container. Containers of hazardous wastes are covered and labeled. Wastes include oil, oil filters, and antifreeze. Manifests for waste disposal are available for review. Emergency response and contact information is on site and available for review.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-19-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine petroleum tank inspection. An inspection of the facility was completed with Jess Ruiz. Observed the 1,000 gallon diesel fuel tank. This facility meets the definition of conditionally exempt as a farm tank. Observed secondary containment around the diesel tank. Daily visual observations of the tank are completed.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Coordinates:
Site ID: 521557
Facility Name: IRVINE VALENCIA GROWERS
Env Int Type Code: APSA
Program ID: 10790038
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.721580

IRVINE VALENCIA GROWERS (Continued) **S124437686**

Longitude: -117.722940

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	IRVINE VALENCIA GROWERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 533-3610,
Affiliation Type Desc:	Legal Owner
Entity Name:	PETER CHANGALA
Entity Title:	Not reported
Affiliation Address:	11501 Jeffrey Road
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92602
Affiliation Phone:	(949) 936-8092,
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,
Affiliation Type Desc:	Document Preparer
Entity Name:	Karen Verghese
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	JESS RUIZ
Entity Title:	Not reported
Affiliation Address:	11501 Jeffrey Road
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	IRVINE VALENCIA GROWERS
Entity Title:	Not reported
Affiliation Address:	Not reported

IRVINE VALENCIA GROWERS (Continued) **S124437686**

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

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 11501 Jeffrey Road
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92602
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Karen Verghese
Entity Title: CONTROLLER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: ORANGE COUNTY SHOOTING & TRAINING CENTER
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 603974
CERS ID: T10000018310
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: IC SUPERVISOR - ORANGE COUNTY LOP
Entity Title: Not reported
Affiliation Address: 1241 E. DYER RD., SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

E24 **IRVINE VALENCIA GROWERS** **CPS-SLIC** **S112977538**
ENE **11501 JEFFREY RD** **CERS HAZ WASTE** **N/A**
< 1/8 **IRVINE, CA 92602** **Orange Co. Industrial Site**
0.011 mi. **HAZNET**
60 ft. **Site 2 of 2 in cluster E** **CERS**
HWTS

Relative:
Higher

Actual:
593 ft.

CPS-SLIC:
Name: ORANGE COUNTY SHOOTING & TRAINING CENTER
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Region: STATE

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Facility Status:	**Completed - Case Closed**
Status Date:	01/03/2003
Global Id:	T10000018310
Lead Agency:	ORANGE COUNTY LOP
Lead Agency Case Number:	96IC013
Latitude:	33.7238845
Longitude:	-117.7290217
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	ORANGE COUNTY LOP
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Warehouse
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	01/03/2003
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	01/03/2003
CA Water Watershed Name:	Not reported
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	Not reported
CA Enviroscreen 4 Score:	Not reported
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	Not reported
Site History:	Please refer to recent Site Documents or Monitoring Reports for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

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

CERS HAZ WASTE:

Name:	SUCHY TRENCHING
Address:	11501 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Site ID:	364589
CERS ID:	10548514
CERS Description:	Hazardous Waste Generator

Orange Co. Industrial Site:

Name:	ORANGE COUNTY SHOOTING & TRAINING CENTER
Address:	11501 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Case ID:	96IC013
Record ID:	RO0000533

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Current Status: CLOSED 1/3/2003
Closure Type: Closure certification issued
Released Chemical: LEAD COMPOUNDS

HAZNET:

Name:	IRVINE VALENCIA GROWERS
Address:	11501 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 926020503
Contact:	KAREN VERGHESE
Telephone:	9499368085
Mailing Name:	Not reported
Mailing Address:	11501 JEFFREY RD
Year:	2019
Gepaid:	CAL000317787
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05000
Year:	2018
Gepaid:	CAL000317787
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05750
Year:	2009
Gepaid:	CAC002641809
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.417

Additional Info:

Year:	2009
Gen EPA ID:	CAC002641809
Shipment Date:	20090513
Creation Date:	6/30/2009 18:30:19
Receipt Date:	20090514
Manifest ID:	004202560JJK
Trans EPA ID:	CAR000189431
Trans Name:	ADAMS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics

IRVINE VALENCIA GROWERS (Continued) **S112977538**

RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.417
Waste Quantity: 100
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: SUCHY TRENCHING
Address: 11501 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 364589
CERS ID: 10548514
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 364589
Site Name: SUCHY TRENCHING
Violation Date: 03-06-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 03/13/2018. The business plan has not been updated and submitted to this department to reflect the changes in the chemical inventory. Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 364589
Site Name: SUCHY TRENCHING
Violation Date: 03-06-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/03/2018. Annual training documentation for all applicable employees was not available for review. If maintained elsewhere, please submit documentation to the Orange County Health Care Agency, Department of Environmental Health inspector, demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.

IRVINE VALENCIA GROWERS (Continued) **S112977538**

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

Site ID: 364589
Site Name: SUCHY TRENCHING
Violation Date: 03-06-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/13/2018. The facility has not updated the Hazardous Materials Inventory Chemical Description page for motor oil and used motor oil in the California Environmental Reporting System (CERS). CORRECTIVE ACTION: Update and submit the Hazardous Materials Inventory Chemical Description page for the materials listed above electronically in the CERS. See review comments in CERS.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Observed the following hazardous materials: - Waste oil, (2) 55 gallon drums Walked through the facility and checked trash cans inside the building. Explained what the Hazardous Materials Business Plan Program is about and what is required. Reviewed the Emergency Response/Contingency Plan and Training requirements with Mr. Ceballos.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed submitted manifests and email about training records in order to abate violations observed during the routine site inspection. Manifests are acceptable, the training records are not sufficient. In addition, the CERS submittal for 2018 is still not acceptable. Provided guidance on how to obtain compliance in an email.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-31-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has complied with 2016 HMBEP reporting requirement. Reviewed HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following corrections are needed: CHEMICAL INVENTORY Motor Oil please complete the Mixture Component chart as

IRVINE VALENCIA GROWERS (Continued) **S112977538**

follows: %WT = 100, Hazardous Component = various petroleum oils, CAS # = 64742-65-0 Waste Motor Oil mark all Federal Hazard Categories that apply//State Waste Code = 221//Annual Waste Amount should be equal to the amount of oil that is disposed of in one year//Storage Pressure and Temperature = Ambient// complete the Mixture Component chart as follows: %WT = 100, Hazardous Component = various petroleum oils, CAS # = 64742-65-0

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routing hazardous waste inspection. Inspection was conducted with Thomas. Facility generates used oil and used oil filters. Containers of hazardous waste are stored closed and properly labeled. Receipts are available for review. Facility is currently assigned and using EPA ID # CAL000183770. Emergency response information is posted near the office.

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

Eval General Type: Other/Unknown
Eval Date: 07-27-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received phone call from Bob Suchy. Discussed threshold limits for the chemicals he has stored on site. He is planning to downsize his inventory in order to go below threshold reporting amounts.

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

Eval General Type: Other/Unknown
Eval Date: 09-12-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: reviewed hazardous wastes onsite facility appear to have less than 100 kg of wastes onsite

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection with Bob Suchy. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

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

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Eval General Type: Other/Unknown
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Attempted to call and make an appointment. Called contact and left message.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-16-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has not had any wastes disposed since 2010 and appears to have less than 100 kg of wastes onsite.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-25-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: On site for a follow up inspection with Bob Suchy. Facility has lowered the amount of new oil to 55 gallons of each type (3) and removed one drum of waste oil. The amount of new on site meets the exemption for lubricating oils. Facility remains regulated under the hazardous materials inspection program due to the amount of waste oil stored on site (55 gallons). Submit electronic Hazardous Materials and Business Emergency plan documents within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection. Business has disclosed 1 waste material - used oil. There were no other materials observed on site meeting minimum disclosure thresholds. New oil is maintained below the 55-gallon reporting threshold. Business has conducted annual emergency plan training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-06-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Observed the following hazardous wastes: - Waste oil, (2) 55 gallon drums - Used oil filters, (1) 55 gallon drum Walked through the facility and the perimeter. Checked trash cans inside the building. The Emergency Response Plan is posted on the wall outside of the office.

IRVINE VALENCIA GROWERS (Continued) **S112977538**

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: SUCHY TRENCHING On site for initial hazardous materials and business emergency plan inspection. Consent to enter, inspect and take photographs was granted by Thomas. Observed the facility and inspected hazardous materials storage. The following hazardous materials were observed in amounts that exceed the required disclosure quantities: -new oil -waste oil REQUIREMENT FOR ELECTRONIC SUBMITTAL OF HMBEP DOCUMENTS: This report serves as notice that the facility must submit the following documents electronically within 30 days: -Business Emergency Plan -Hazardous Materials Chemical Inventory -Site Map The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above the disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change. The E-Submit portal for electronic submittal can be [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-06-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following documents were received and ACCEPTED on CERS: -Business Activities -Business Owner/Operator -Chemical Inventory -Facility Site Map -Emergency Response & Training Plans
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The following violations have been corrected: I169; Failure to complete and electronically submit the hazardous materials inventory I336; Failure to update within 30 days any changes with the Hazardous Materials Business Plan in the California Electronic Reporting System I239; Failure to document annual employee training.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal on CERS. Facility has disclosed 2 chemicals (1 waste)

IRVINE VALENCIA GROWERS (Continued) **S112977538**

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

Coordinates:
Site ID: 364589
Facility Name: SUCHY TRENCHING
Env Int Type Code: HWG
Program ID: 10548514
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.721580
Longitude: -117.722940

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Robert Suchy
Entity Title: Not reported
Affiliation Address: 3423 E. Chapman Ave., Ste D
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92869
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Robert Suchy
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 412-5406,

Affiliation Type Desc: Identification Signer
Entity Name: Robert Suchy
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: SUCHY TRENCHING
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Entity Name:	Robert Suchy
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3423 E Chapman Ave., Ste D
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92869
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Suchy Trenching, Inc.
Entity Title:	Not reported
Affiliation Address:	3423 E Chapman Ave., Ste D
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92869
Affiliation Phone:	(714) 633-2733,
Affiliation Type Desc:	CUPA District
Entity Name:	Orange County Env Health
Entity Title:	Not reported
Affiliation Address:	1241 East Dyer RoadSuite 120
Affiliation City:	Santa Ana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92705-5611
Affiliation Phone:	(714) 433-6406,
Affiliation Type Desc:	Property Owner
Entity Name:	The Irvine Co
Entity Title:	Not reported
Affiliation Address:	550 Newport Center Dr
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(949) 720-2203,

HWTS:

Name:	IRVINE VALENCIA GROWERS
Address:	11501 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
EPA ID:	CAC002641809
Inactive Date:	10/27/2009

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Create Date:	04/29/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	11501 JEFFREY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 92602
Owner Name:	IRVINE VALENCIA GROWERS
Owner Address:	11501 JEFFREY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 92602
Contact Name:	JOHN BUCK
Contact Address:	220 E TRUXTUN AVE
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93305
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.719986
Longitude:	-117.731117

Name:	IRVINE VALENCIA GROWERS
Address:	11501 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
EPA ID:	CAL000317787
Inactive Date:	Not reported
Create Date:	03/22/2007
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	11501 JEFFREY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 926020503
Owner Name:	THE IRVINE COMPANY LLC
Owner Address:	550 NEWPORT CTR DR
Owner Address 2:	Not reported
Owner City,State,Zip:	NEWPORT BEACH, CA 926600000
Contact Name:	KAREN VERGHESE
Contact Address:	11501 JEFFREY RD
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.690191
Longitude:	-117.768212

NAICS:

EPA ID:	CAL000317787
Create Date:	2009-12-03 12:41:18.000
NAICS Code:	111339
NAICS Description:	Other Noncitrus Fruit Farming
Issued EPA ID Date:	2007-03-22 14:11:14.61000
Inactive Date:	Not reported
Facility Name:	IRVINE VALENCIA GROWERS
Facility Address:	11501 JEFFREY RD
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported

IRVINE VALENCIA GROWERS (Continued) **S112977538**

Facility State: CA
Facility Zip: 926020503

25
East
< 1/8
0.027 mi.
145 ft.

ORANGE COUNTY PRODUCE LLC
11405 JEFFREY RD
IRVINE, CA 92602

CERS HAZ WASTE
HAZNET
CERS
HWTS

S113134886
N/A

Relative:
Higher

Actual:
547 ft.

CERS HAZ WASTE:
Name: ORANGE COUNTY PRODUCE LLC
Address: 11405 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 447544
CERS ID: 10523935
CERS Description: Hazardous Waste Generator

HAZNET:
Name: ORANGE COUNTY PRODUCE LLC
Address: 11405 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
Contact: BLANCA E BERMUDEZ
Telephone: 9494510880
Mailing Name: Not reported
Mailing Address: 11405 JEFFREY RD

Year: 2021
Gepaid: CAL000288607
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1

Year: 2019
Gepaid: CAL000288607
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17500

Year: 2013
Gepaid: CAL000288607
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2011
Gepaid: CAL000288607
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.475
Year:	2010
Gepaid:	CAL000288607
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.52
Year:	2007
Gepaid:	CAL000288607
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.9
Year:	2006
Gepaid:	CAL000288607
TSD EPA ID:	CAT080013352
CA Waste Code:	291 - Latex waste
Disposal Method:	R01 - Recycler
Tons:	0.8
Year:	2005
Gepaid:	CAL000288607
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	2.565

Additional Info:

Year:	2013
Gen EPA ID:	CAL000288607
Shipment Date:	20131211
Creation Date:	3/2/2014 22:15:16
Receipt Date:	20131219
Manifest ID:	012423055JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000288607
Shipment Date:	20111103
Creation Date:	1/20/2012 20:31:22
Receipt Date:	20111110
Manifest ID:	009007905JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS INDUSTRY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110429
Creation Date:	6/16/2011 18:30:32
Receipt Date:	20110505
Manifest ID:	008156709JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2010
Gen EPA ID: CAL000288607

Shipment Date: 20100902
Creation Date: 11/30/2010 18:30:16
Receipt Date: 20100902
Manifest ID: 007099850JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.52
Waste Quantity: 400
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAL000288607

Shipment Date: 20070201
Creation Date: 1/10/2008 9:44:01
Receipt Date: 20070205
Manifest ID: 000221162GBF
Trans EPA ID: CAD982472623
Trans Name: GOLDEN OIL
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080025711
Trans Name: ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: ADVANCE ENVIRONMENTAL
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.9
Waste Quantity: 500
Quantity Unit: G
Additional Code 1: Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000288607
Shipment Date:	20060505
Creation Date:	8/24/2006 18:32:30
Receipt Date:	20060505
Manifest ID:	24292572
Trans EPA ID:	CAD982472623
Trans Name:	GOLDEN OIL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000288607
Shipment Date:	20051130
Creation Date:	3/16/2006 18:30:37
Receipt Date:	20051205
Manifest ID:	23765079
Trans EPA ID:	CAD982472623
Trans Name:	GOLDEN OIL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.565
Waste Quantity:	675
Quantity Unit:	G
Additional Code 1:	Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: ORANGE COUNTY PRODUCE LLC
Address: 11405 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 447544
CERS ID: 10523935
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 01-10-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/07/2019. Minor Violation: Failure to properly label hazardous waste accumulation containers. Observation: The hazardous waste label information was faded/illegible at the time of inspection for 1 x 55-gal drum containing used absorbent. Corrective Action: Immediately label all hazardous waste containers with the following: Hazardous Waste , name and address of the generator, the contents of the container, physical and chemical characteristics of the hazardous waste, and the start date of accumulation.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 04-04-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 05/22/2018.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 12-16-2015
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 07/03/2017. A 55-gallon drum used for

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

draining oil filters was observed with a screen placed across the top and several filters stored on top which had been stored on the screen for several days per John. All hazardous waste must be stored in closed compatible containers except when adding or removing waste. Discontinue the practice of leaving filters on the screen unattended to drain.

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

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 01-10-2019
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/19/2019. Minor Violation: Failure to complete and/or electronically submit a Hazardous Materials Business Plan (HMBP) when storing and/or handling hazardous materials at or above the reportable threshold quantity. Observation: Observed hazardous materials in reportable quantities during today s inspection. Corrective Action: Immediately complete an HMBP and submit it electronically to the California Environmental Reporting System (CERS). The HMBP consists of the following: emergency response plans & procedures, a site map, and annual employee training related to hazardous materials handling and release reporting. Maintain annual employee training records for 3 years (sign-in sheet documenting the names of employees trained, the date they were trained, and the subject matter that they were trained on). This Agency provides assistance by appointment and by phone at (714) 433-6000.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 11-09-2021
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 11/09/2021. Submit your HMBP to CERS within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 01-10-2019
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Violation Notes:	Returned to compliance on 11/08/2021. Minor Violation: Failure to properly label drained used oil filter accumulation containers. Observation: At the time of inspection, the drums for drained used oil filters (one for metal filters and one for non-metal filters) were both missing the start date of accumulation. Corrective Action: Immediately label drained used oil filter accumulation containers with the words drained used oil filters and the start date of accumulation.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	447544
Site Name:	ORANGE COUNTY PRODUCE LLC
Violation Date:	12-16-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/03/2017. Used oil filters have not been picked up within the last year. Five 55-gallon drums containing used oil and gasoline filters were observed on site. Have the filters picked up and send a copy of the receipt to this agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	447544
Site Name:	ORANGE COUNTY PRODUCE LLC
Violation Date:	10-16-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/22/2018.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	447544
Site Name:	ORANGE COUNTY PRODUCE LLC
Violation Date:	01-10-2019
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 11/08/2021. Minor Violation: Open container of hazardous waste. Observation: Observed used oil in two open pans stored in the Used Oil Shed at the time of inspection. Per Carlos Rangel, used oil filters are drained for up to two weeks and then punctured. Corrective Action: Containers of hazardous waste must be closed at all times unless adding or removing waste.
Violation Division:	Orange County Environmental Health

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Violation Program: HW
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 11-09-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 11/23/2021.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 01-10-2019
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 02/07/2019. Improper labeling of contaminated containers. 22 CCR 66261.7 Minor Violation: Containers that once held a hazardous substance must be labeled as Empty and the date that the container was emptied. Observation: Observed at least four empty 55-gallon drums that once held a hazardous substance and were not marked as "empty" with the date that the container was emptied. Corrective Action: Empty containers that once held hazardous material or waste must be labeled as Empty and the date that the container was emptied. Provided labels on this date.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Violation Date: 10-16-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/22/2018.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 04-04-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has not complied with the requirement to submit the Hazardous Materials and Business Emergency Plan annually. Electronic submittal was due by March 1, 2016. Submit electronic documents within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Carlos Rangel of Orange County Produce LLC came to the front desk. He said that the Seal Beach Naval Weapons Base requested that OC Produce report on CERS. Carlos mentioned that they occasionally transport 5-gal of used oil from Seal Beach to Irvine. This is acceptable as long as the container is no larger than 5-gal and no more than 20 gal of used oil is transported at a time. Provided business card, CERS contingency plan template, and a CERS guide for Carlos.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-29-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility submitted their HMBP to CERS on 11/9/21. Violation I463 is abated. Please note, your business is required to certify information submitted to CERS each year by March 1st.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility inspection conducted with Carlos Rangel (Field Manager) and Eddie Valderrama (employee). Chemicals observed on this date were: 2 x 120-gal aboveground tanks of propane (one next to shed, one next to ice machine) 1 x 18-gal cylinder of propane (spare for forklift) USED OIL SHED: 1 x 500-gallon aboveground storage tank of used oil SHOP: 1, 127 cf of Argon/CO2 compressed gas mixture (largest container size = 381 cf) 1,084 cf of compressed oxygen gas (largest container size = 337 cf) 315 cf of compressed acetylene gas (largest container size = 120 cf) NEW OIL SHEDS: 3 x 55-gal drums of tractor hydraulic fluid 4 x 55-gal drums of lubricating oil 2 x 55-gal drums of mineral spirits (Stoddard solvent) 1 x 55-gal drum of transmission fluid 1 x 55-gal drum of antifreeze The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds of 55 gallons for a liquid, 500 pounds for a [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-29-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed copies of manifests submitted for removal of oil, oil filters and oily debris/rags on 11/23/21. Violation I053 is abated.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste generator inspection. Observed facility and inspected hazardous waste storage areas. Permission to conduct inspection was granted by John Kubo. Facility generates waste oil and used oil filters. Containers of hazardous waste were stored closed with the exception of a 55-gallon drum used for draining oil filters. Drum was observed with a screen placed across the top and several filters stored on top which had been stored on the screen for several days per John. All hazardous waste must be stored in closed compatible containers except when adding or removing waste (see violation). Discontinue the practice of leaving filters on the screen unattended to drain. When draining filters, they may be placed on a screen for draining, but both the drained oil and filters must be placed into a secure container for storage by an employee when task is completed. Used oil filters have not been picked up within the last year (see violation). [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HW

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-16-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector Comments: Orange County Environmental Health as the Certified Unified Program Agency (OC CUPA) is the administrating agency for the Hazardous Materials Disclosure and Business Emergency Plan programs (HMD/BEP) previously administered by the Orange County Fire Authority. During the months of August and December of 2013, the OC CUPA sent out letters to regulated businesses requesting them to electronically submit their HMD/BEP forms. Electronic submission of these forms is a legal requirement. Failure to submit HMD/BEP forms is in violation of the California Health & Safety Code Chapter 6.95. According to our records there is no electronic submission for this facility. Please go to www.esubmit.ocgov.com to request a username and password and submit the following HMD/BEP forms within the next 30 days: - Business Activities form - Owner/Operator Identification form - Hazardous Material Chemical Inventory forms - Facility Site Map - Business [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection with Daniel Delgado. Business has disclosed 10 materials. There were no other materials observed on site meeting minimum disclosure thresholds. Business has not complied with the annual certification requirement. Submit your HMBP to CERS within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection with Daniel Delgado. Hazardous waste was observed to be properly stored closed and labeled. Drums of waste absorbent and waste paper oil filters were observed with labels marked with accumulation start dates of 2/19/2019. Business does not have documentation indicating waste has picked up since 2019. Have these wastes picked up using a registered hazardous transporter and send a copy of the manifest to this Agency within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2015
Violations Found: No

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Eval Type: Routine done by local agency
Eval Notes: Orange County Produce LLC On site to conduct an initial Hazardous Materials and Business Emergency Plan inspection. Inspection was conducted with John . Observed the facility and inspected hazardous materials storage. The following hazardous materials were observed in amounts that exceed the required disclosure quantities: -waste oil, aboveground tank -drained used oil and gasoline filters, drums -propane, forklift cylinders and aboveground storage tank REQUIREMENT FOR ELECTRONIC SUBMITTAL OF HMBEP DOCUMENTS: This report serves as notice that the facility must submit the following documents electronically within 30 days: -Business Emergency Plan -Hazardous Materials Chemical Inventory -Site Map The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above the disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Violation I208 remains open. Minor Violation: Failure to complete and/or electronically submit a Hazardous Materials Business Plan (HMBP) when storing and/or handling hazardous materials at or above the reportable threshold quantity. Observation: Observed hazardous materials in reportable quantities during today s inspection. Corrective Action: Immediately complete an HMBP and submit it electronically to the California Environmental Reporting System (CERS). The HMBP consists of the following: emergency response plans & procedures, a site map, and annual employee training related to hazardous materials handling and release reporting. Maintain annual employee training records for 3 years (sign-in sheet documenting the names of employees trained, the date they were trained, and the subject matter that they were trained on). This violation has changed from categorized as minor to Class II and now must be corrected immediately. Failure to correct the open [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-20-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Violation I400 has been corrected and closed. Observed photo of completed hazardous waste label for used absorbent. Violation I023 has been corrected and closed. Observed photo of drums labeled Empty with the date they were emptied. --OPEN VIOLATIONS-- Violation I411 remains open. Corrective Action: Containers of hazardous waste must be closed at all times unless adding or removing waste. Violation I375 remains open. Corrective Action: Immediately label drained used oil filter accumulation containers with the words drained used oil filters and the start date of accumulation. These violations have changed from categorized as minor to Class II and now must be corrected

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

immediately. Failure to correct the open violations may result in further enforcement action.

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

Eval General Type: Other/Unknown
Eval Date: 08-07-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 447544
Site Name: ORANGE COUNTY PRODUCE LLC
Site Address: 11405 JEFFREY RD
Site City: IRVINE
Site Zip: 92602
Enf Action Date: 08-07-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Failure to Electronically Submit HMD/BEP.
Enf Action Division: Orange County Environmental Health
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Coordinates:
Site ID: 447544
Facility Name: ORANGE COUNTY PRODUCE LLC
Env Int Type Code: HMBP
Program ID: 10523935
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.718910
Longitude: -117.721400

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: daniel delgado
Entity Title: food safety director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: ORANGE COUNTY PRODUCE LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Daniel Delgado
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: ORANGE COUNTY PRODUCE LLC
Entity Title: Not reported
Affiliation Address: 11405 JEFFREY RD
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92602
Affiliation Phone: (949) 451-0880,

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Property Owner
Entity Name: orange county produce llc
Entity Title: Not reported
Affiliation Address: 11405 JEFFREY RD
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92602
Affiliation Phone: (949) 451-0880,

Affiliation Type Desc: Environmental Contact
Entity Name: daniel delgado
Entity Title: Not reported
Affiliation Address: 11405 JEFFREY RD
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92602
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Affiliation Address:	11405 jeffrey rd
Affiliation City:	irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ORANGE COUNTY PRODUCE LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 451-0880,

HWTS:

Name:	ORANGE COUNTY PRODUCE LLC
Address:	11405 JEFFREY RD
Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
EPA ID:	CAL000288607
Inactive Date:	Not reported
Create Date:	12/02/2004
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	11405 JEFFREY RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	IRVINE, CA 926020000
Owner Name:	MATTHEW KAWAMURA
Owner Address:	11405 JEFFREY RD
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926020000
Contact Name:	BLANCA E BERMUDEZ
Contact Address:	11405 JEFFREY RD
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.719986
Longitude:	-117.731117

NAICS:

EPA ID:	CAL000288607
Create Date:	2004-12-02 11:32:28.953
NAICS Code:	111219
NAICS Description:	Other Vegetable (except Potato) and Melon Farming
Issued EPA ID Date:	2004-12-02 11:32:28.89000
Inactive Date:	Not reported
Facility Name:	ORANGE COUNTY PRODUCE LLC
Facility Address:	11405 JEFFREY RD
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported

ORANGE COUNTY PRODUCE LLC (Continued) **S113134886**

Facility State: CA
Facility Zip: 92602

F26 **NAKAE & ASSOCIATES INC.** **CPS-SLIC** **S113134506**
North **11159 JEFFREY RD** **CERS HAZ WASTE** **N/A**
< 1/8 **IRVINE, CA 92602** **CERS TANKS**
0.097 mi. **Orange Co. Industrial Site**
512 ft. **Site 1 of 3 in cluster F** **HAZNET**
PEST LIC
Relative: **CERS**
Higher **HWTS**

Actual:
446 ft.

CPS-SLIC:

Name:	ORANGE COUNTY SHOOTING AND TRAINING CENTER, AREA Q
Address:	11159 JEFFREY RD
City,State,Zip:	IRVINE, CA 92606
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	12/02/2021
Global Id:	T10000017539
Lead Agency:	ORANGE COUNTY
Lead Agency Case Number:	96IC013
Latitude:	33.71982
Longitude:	-117.72226
Case Type:	Cleanup Program Site
Case Worker:	KTB
Local Agency:	ORANGE COUNTY
RB Case Number:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Warehouse
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	12/02/2021
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Orange County (8-001)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	21-25%
CA Enviroscreen 4 Score:	30-35%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

CERS HAZ WASTE:
Name: NAKAE & ASSOCIATES INC
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 367338
CERS ID: 10548574
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: NAKAE & ASSOCIATES INC
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 367338
CERS ID: 10548574
CERS Description: Aboveground Petroleum Storage

Orange Co. Industrial Site:
Name: ORANGE COUNTY SHOOTING & TRAINING CENTER
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Case ID: 13IC006
Record ID: RO0003595
Current Status: OPEN
Closure Type: Not reported
Released Chemical: LEAD COMPOUNDS

HAZNET:
Name: NAKAE & ASSOCIATES, INC.
Address: 11159 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
Contact: KEVIN KIRCHNER
Telephone: 9497860405
Mailing Name: Not reported
Mailing Address: 11159 JEFFREY RD

Year: 2010
Gepaid: CAL000287752
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.231

Year: 2006
Gepaid: CAL000287752
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 0.836

Additional Info:
Year: 2010

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Gen EPA ID: CAL000287752

Shipment Date: 20100224
Creation Date: 5/27/2010 18:30:53
Receipt Date: 20100302
Manifest ID: 005965714JJK
Trans EPA ID: CAL000253361
Trans Name: ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO- KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAL000287752

Shipment Date: 20060220
Creation Date: 6/22/2006 18:34:40
Receipt Date: 20060301
Manifest ID: 24810211
Trans EPA ID: CAL000253361
Trans Name: ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID: CAL000253361
Trans 2 Name: ALL PHASE ENVIRONMENTAL
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL
TSDF Alt EPA ID: CAD099452708
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.836
Waste Quantity: 220
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

PEST LIC:

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Name: NAKAE & ASSOCIATES INC.
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Facility Type: PCM
Categories: Not reported
License No: 30520
Issued or Renewed Date: 01/01/2022
Expiration Date: 12/31/2023

CERS:
Name: NAKAE & ASSOCIATES INC
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 367338
CERS ID: 10548574
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 10-25-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 10/25/2018. 1. OBSERVATION: Labels were missing on all waste oil and waste antifreeze containers. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: New labels were provided and placed on all waste drums. This violation was corrected on-site. No further corrective action required. 2. OBSERVATION: The 55-gallon drum of used oil filters was missing a label. All used oil and fuel filters containers shall be marked with the following information: 1) the words "Drained Used Oil and Fuel Filters" and 2) accumulations start date. CORRECTIVE ACTION: New labels were provided and placed on the drums. This violation was corrected on-site. No further corrective action required.
Violation Division: Orange County Environmental Health
Violation Program: HW
Violation Source: CERS,

Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 08-25-2015
Citation: 22 CCR 15 66265.171 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.171
Violation Description: Failure to accumulate hazardous waste in a container that is in good condition.
Violation Notes: Returned to compliance on 09/22/2015. Hazardous waste was observed in the secondary containment below waste oil containers. Remove the liquid and maintain the secondary containment area dry.
Violation Division: Orange County Environmental Health

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Violation Program: HW
Violation Source: CERS,

Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 10-25-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/09/2018. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for hydraulic oil to the CUPA. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 10-25-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Not reported
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 11-09-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/17/2021. Business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 367338
Site Name: NAKAE & ASSOCIATES INC
Violation Date: 11-09-2021
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

	6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes:	Returned to compliance on 11/17/2021. Add the 55 gallons of hydraulic oil to your SPCC plan and send verification via new tank facility page or complete SPCC plan to this Agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	367338
Site Name:	NAKAE & ASSOCIATES INC
Violation Date:	10-25-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/09/2018. OBSERVATION: The annotated site map submitted to the CUPA does not include: - Loading Areas - Adjacent Streets - Internal Roads - Access and Egress Points CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	367338
Site Name:	NAKAE & ASSOCIATES INC
Violation Date:	10-25-2018
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 10/25/2018. OBSERVATION: The cube containing the waste oil was observed to be open while in storage. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: The containers were immediately closed. This violation was corrected on-site. No further corrective action required.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	367338
Site Name:	NAKAE & ASSOCIATES INC
Violation Date:	04-04-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 07/19/2016.
Violation Division: Orange County Environmental Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 11-05-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: kevin requested info re replacement of an apst. advised him he would be required to update the spcc and submit a tank facility notification update.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal on E-submit. Package was declined and an email sent to the facility contact. The following corrections are still needed: CHEMICAL INVENTORY Argon/C02 - complete the Mixture Components Chart)//Storage Temperature = Ambient Waste Antifreeze - change Hazardous Material Type to Waste and complete the hazardous components chart and annual waste amount and state waste code fields//Storage Temperature = Ambient Acetylene the amount reported is below the reporting threshold of 200 cubic feet and may be removed from your disclosure Oxygen - Storage Temperature = Ambient Motor Oil - complete the Hazardous Component chart as follows: %WT = 100, Hazardous Component = various petroleum oils, CAS # = 64742-65-0 Waste Oil Hazardous Material Type = Waste The solvent was observed at more than 55gallons during the 8/25/15 inspection. If you have reduced your amount to 30 gallons, please contact this agency for a follow up inspection to verify.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-07-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received phone call from Judy inquiring as to why the employee count was changed. Reviewed previous facility inspection reports and noted that an RUR was submitted to change employee count in January. Referred to Program Manager for futher questions.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2015
Violations Found: No
Eval Type: Routine done by local agency

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Eval Notes: Nakae and Associates On site for an initial hazardous materials and business emergency plan inspection. Consent to enter and inspect was granted by Kevin Kirchner. Observed the facility and inspected hazardous materials storage. The following hazardous materials were observed in amounts that exceed the required disclosure quantities: -red diesel, above ground storage tank -clear diesel, above ground storage tank -waste oil, aboveground tank and drum -waste antifreeze, drum -new solvent, drum -Argon/C02, cylinder -Oxygen, cylinder REQUIREMENT FOR ELECTRONIC SUBMITTAL OF HMBEP DOCUMENTS: This report serves as notice that the facility must submit the following documents electronically within 30 days: -Business Emergency Plan -Hazardous Materials Chemical Inventory -Site Map The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above the disclosure thresholds. If there is a change in the type or [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Permission enter and conduct the inspection was granted by Kevin Kirchner. Business generates the following hazardous wastes: waste oil, waste coolant and used oil filters. Containers were observed stored closed and properly labeled. Containers appeared to be in good condition. Liquid was observed in the secondary containment (see violation). Any material that is spill into the secondary containment must be removed and transferred to a compatible, properly labeled hazardous waste container. Secondary containment is designed to remain dry. Remove the liquid and send a photo of the dry secondary containment to this agency within 30 days. Manifests were available for review. Facility is currently assigned and using active EPA ID# CAL000287752 . Emergency information was posted.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection with Kevin Kirchner. Business has disclosed 8 materials. While on site, it was observed that business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Eval Notes: The following documents were received on November 9, 2018 and ACCEPTED on CERS: - Hazardous Materials Inventory - Site Map Violations I169 and I632 cited on10/25/18 have been corrected. No further corrective action required.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-17-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received and reviewed updated tank facility page and reviewed changes to SPCC plan. All materials have been reported and violation I011 is abated. CERS submittal has been reviewed and accepted - business has updated the total petroleum storage information and SPCC plan date.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-25-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following corrections are needed: CHEMICAL INVENTORY Waste antifreeze and new solvent were observed on site in reportable quantities during the 8/25/15 inspection. Please add to your disclosure. For all chemicals -complete Average Daily Amount, Days on Site, Storage Temperature and Pressure fields New Oil -complete the Hazardous Component chart as follows:%WT = 100, Hazardous Component = various petroleum oils, CAS # = 64742-65-0 Waste Oil Hazardous Material Type = Waste//State Waste Code = 221//Fire Code = Combustible 3B//Federal Hazard Categories = Fire, Acute and Chronic Health//Mixture chart=%WT = 100, Hazardous Component = various petroleum oils, CAS # = 64742-65-0 Argon -Common Name=Argon/C02//Hazardous Material Type = Mixture and complete Mixture Components Chart//Federal Hazard Categories = Pressure Release and Acute Health//Max Daily amount =volume was [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: APST On site for an aboveground petroleum storage tank (APST) inspection Facility is regulated under the Aboveground Storage Tank Act (APSA). Facility has between 1,320 and 9,999 gallons of regulated petroleum products. Facility has the Following: 1) On site SPCC Prepared and implemented *This document must be recertified every 5 years. 2) Written training records 3) Appropriate secondary containment or diversionary structures 4) Inspection checklists for monthly inspection conducted per the SPCC plan requirements.
Eval Division: Orange County Environmental Health
Eval Program: APSA

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for an aboveground petroleum storage tank (APST) inspection. Facility is regulated under the Aboveground Petroleum Storage Act (APSA). Facility has between 1,320 and 9,999 gallons of regulated petroleum products. Facility has the following tanks on-site, totaling 6630 gal: 1 x 5600-gallon AST of diesel (split red/clear) 1 x 500-gal AST of gasoline 2 x 55-gallon drums of motor oil 1 x 55-gal drum of hydraulic oil 1 x 55-gallon drum of waste antifreeze 3 x 55-gal AST of used oil 1 x 200-gal trailer of diesel (parked in containment area) Facility has the following: 1) On site SPCC prepared and implemented. The SPCC plan was created on 6/23/2010 and recertified on 9/1/2015. This document must be recertified every 5 years. 2) Written training records 3) Appropriate secondary containment or diversionary structures 4) Inspection checklists for monthly inspection. SPCC plan states monthly inspection. Observed last inspection dated 10/1/2018.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-04-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has not complied with the requirement to submit the Hazardous Materials and Business Emergency Plan annually. Electronic submittal was due by March 1, 2016. Submit electronic documents within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-14-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed contingency plan on CERS. Form was accepted. Facility has not resubmitted chemical inventory information.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-19-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal on CERS. Facility has disclosed 9 chemicals (2 waste). All forms were accepted.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2018

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Walked throughout the facility. Observed hazardous waste storage areas. Manifests were available and reviewed. Employees are reported to be trained. Emergency plan on site. No hazardous waste or universal waste observed in the dumpster/enclosure area.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection with Kevin Kirchner. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine aboveground storage tank inspection. Business' SPCC is on site and was reviewed on 11/8/2018. A review of the plan shows that the 55 gallons of hydraulic oil is missing from the tank facility information. Add the hydraulic oil to you SPCC plan and review to be sure that the plan covers the additional material. Either forward a copy of the new tank facility statement page and review date or forward a copy of your entire plan within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-17-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: REviewed and accepted HMBP submittal. Business has added missing brake cleaner to the submittal. Violation I169 is abated.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following correction is still needed: CHEMICAL INVENTORY Argon/C02 add the CAS# for C02 (124-38-9)//change storage pressure to above ambient Oxygen change storage pressure to above ambient Motor Oil for the new material disclosure please remove data from the State waste code and annual waste amount fields (these fields are only completed for a waste

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

material)
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-15-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received the following email: Hi Lisa! Please submit a RUR on this facility to change their employee number and PR to 11-25 for the HW Program. They have 12 employees. The business will be paying the lower fee on their existing invoice. Thanks! Pearl Boelter, REHS, MPA Program Manager Orange County Environmental Health 1241 E. Dyer Road, Suite 120 Santa Ana, CA 92705 (714) 433-6010 pboelter@ochca.com RUR submitted.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Received photographs of secondary containment from Kevin Kirchner. Secondary containment was observed to be free of any liquid. Violation I720 is abated.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-25-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Observed the facility and inspected hazardous materials storage. The following materials were observed in amounts that meet or exceed the minimum volumes required for disclosure: - Diesel split tank: 1x5600-gallon - Gasoline: 1x500-gallon - New motor oil: 2x55-gallon - Used lubricating oils: 1x110-gallon, 1x30-gallon - Hydraulic oil: 1x55-gallon - Oxygen: 1x337-cubic feet
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 367338
Facility Name: NAKAE & ASSOCIATES INC
Env Int Type Code: HWG
Program ID: 10548574
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.722170
Longitude: -117.729640

Affiliation:

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kevin P. Kirchner
Entity Title:	Not reported
Affiliation Address:	11159 JEFFREY RD
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	NAKAE & ASSOCIATES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Nakae & Associates, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 786-0405,

Affiliation Type Desc:	Document Preparer
Entity Name:	Kevin Kirchner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	11159 Jeffrey Road
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92602
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Russell Nakae
Entity Title:	Not reported
Affiliation Address:	11159 JEFFREY RD
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	United States

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Affiliation Zip: 92602
Affiliation Phone: (949) 786-0405,

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Identification Signer
Entity Name: KEVIN KIRCHNER
Entity Title: VICE PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: ORANGE COUNTY SHOOTING AND TRAINING CENTER, AREA Q
Address: 11159 JEFFREY RD
City,State,Zip: IRVINE, CA 92606
Site ID: 603975
CERS ID: T10000017539
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KARL BEWLEY - ORANGE COUNTY
Entity Title: Not reported
Affiliation Address: 1241 E. DYER RD., SUITE 120
Affiliation City: SANTA ANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7144336264,

HWTS:
Name: NAKAE & ASSOCIATES, INC.
Address: 11159 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
EPA ID: CAL000287752
Inactive Date: Not reported
Create Date: 10/29/2004
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 11159 JEFFREY RD
Mailing Address 2: Not reported
Mailing City,State,Zip: IRVINE, CA 926020000
Owner Name: RUSSELL NAKAE

NAKAE & ASSOCIATES INC. (Continued) **S113134506**

Owner Address:	11159 JEFFREY ROAD
Owner Address 2:	Not reported
Owner City,State,Zip:	IRVINE, CA 926020000
Contact Name:	KEVIN KIRCHNER
Contact Address:	11159 JEFFREY RD
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.707467
Longitude:	-117.750941

NAICS:

EPA ID:	CAL000287752
Create Date:	2004-10-29 13:44:02.367
NAICS Code:	56291
NAICS Description:	Remediation Services
Issued EPA ID Date:	2004-10-29 13:44:02.29000
Inactive Date:	Not reported
Facility Name:	NAKAE & ASSOCIATES, INC.
Facility Address:	11159 JEFFREY RD
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92602

F27 **NAKAE & ASSOCIATES INC** **AST** **A100422602**
North **11159 JEFFREY RD** **N/A**
< 1/8 **IRVINE, CA 92602**
0.097 mi.
512 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
446 ft.

AST:

Name:	NAKAE & ASSOCIATES INC
Address:	11159 JEFFREY RD
City/Zip:	IRVINE,92602
Certified Unified Program Agencies:	Not reported
Owner:	Russell Nakae
Total Gallons:	Not reported
CERSID:	10548574
Facility ID:	FA0039443
Business Name:	NAKAE & ASSOCIATES INC
Phone:	949-786-0405
Fax:	949-786-2585
Mailing Address:	11159 Jeffrey Road
Mailing Address City:	Irvine
Mailing Address State:	CA
Mailing Address Zip Code:	92602
Operator Name:	Nakae & Associates, Inc.
Operator Phone:	949-786-0405
Owner Phone:	949-786-0405
Owner Mail Address:	11159 JEFFREY RD
Owner State:	CA
Owner Zip Code:	92602
Owner Country:	United States

NAKAE & ASSOCIATES INC (Continued) **A100422602**

Property Owner Name:	The Irvine Company
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Dept. 6001-6003
Property Owner City:	Los Angeles
Property Owner Stat :	CA
Property Owner Zip Code:	90084
Property Owner Country:	United States
EPAID:	CAL000287752

F28 **LANDFILLBOWERMAN** **WMUDS/SWAT** **S103443281**
North **SAND CANYON RD** **WDS** **N/A**
< 1/8 **IRVINE, CA 0**
0.123 mi.
651 ft. **Site 3 of 3 in cluster F**

Relative: **Higher**

Actual: **449 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:	True
Superorder:	True
Open To Public:	False
Waste List:	True
Agency Type:	County
Agency Name:	ORANGE CO. IWMD
Agency Department:	Not reported
Agency Address:	320 N. FLOWER, SUITE 400
Agency City,St,Zip:	SANTA ANA CA 92703
Agency Contact:	KEVIN KONDRU
Agency Telephone:	7148344056
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
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

LANDFILLBOWERMAN (Continued) **S103443281**

Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15: True
Regional Board Project Officer: Not reported
Number of WMUDS at Facility: 8
Section Range: Not reported
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Quarterly Submittal
Waste Discharge System ID: 8 302612001
Solid Waste Information ID: 30-AB-0360

WDS:
Name: LANDFILLBOWERMAN
Address: SAND CANYON RD
City: IRVINE
Facility ID: Santa Ana River 302612001
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 8
Facility Telephone: Not reported
Facility Contact: KEVIN KONDRU
Agency Name: ORANGE CO. IWMD
Agency Address: 320 N. FLOWER SUITE 400
Agency City,St,Zip: SANTA ANA 92703
Agency Contact: KEVIN KONDRU
Agency Telephone: 9098344114
Agency Type: County
SIC Code: 4953
SIC Code 2: Not reported
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).
Primary Waste: SLDWST
Waste Type2: Not reported
Waste2: Solid Wastes
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

LANDFILLBOWERMAN (Continued) **S103443281**

Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category 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.

29
NNE
1/8-1/4
0.212 mi.
1120 ft.

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602

CERS HAZ WASTE **S113118225**
HAZNET **N/A**
CERS
HWTS

Relative:
Higher

Actual:
485 ft.

CERS HAZ WASTE:
Name: STICE COMPANY INC
Address: 10851 JEFFREY RD
City,State,Zip: IRVINE, CA 92602
Site ID: 365488
CERS ID: 10548562
CERS Description: Hazardous Waste Generator

HAZNET:
Name: STICE COMPANY INC
Address: 10851 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
Contact: JONATHAN STICE
Telephone: 9496544600
Mailing Name: Not reported
Mailing Address: 10851 JEFFREY RD

Year: 2021
Gepaid: CAL000248806
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2021
Gepaid: CAL000248806
TSD EPA ID: CAD982444481
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.83403

STICE COMPANY INC (Continued) **S113118225**

Year:	2021
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.16764
Year:	2020
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	5.12928
Year:	2020
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.482
Year:	2019
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	7.58940
Year:	2018
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.54530
Year:	2017
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.14
Year:	2017
Gepaid:	CAL000248806
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	6.64698
Year:	2016

STICE COMPANY INC (Continued) **S113118225**

Gepaid: CAL000248806
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7506

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

Additional Info:
Year: 2021
Gen EPA ID: CAL000248806

Shipment Date: 6/9/2020
Creation Date: 7/14/2020
Receipt Date: 6/10/2020
Manifest ID: 021581759JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.16764
Waste Quantity: 280
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 4/17/2020
Creation Date: 5/6/2020
Receipt Date: 4/17/2020
Manifest ID: 021579586JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.16764

STICE COMPANY INC (Continued) **S113118225**

Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	3/23/2020
Creation Date:	4/15/2020
Receipt Date:	3/23/2020
Manifest ID:	020679773JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.62636
Waste Quantity:	390
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	11/30/2020
Creation Date:	12/15/2020
Receipt Date:	12/1/2020
Manifest ID:	005636188FLE
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.16764
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Shipment Date:	1/28/2020
Creation Date:	2/6/2020
Receipt Date:	1/28/2020
Manifest ID:	020679555JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.482
Waste Quantity:	390
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000248806
Shipment Date:	6/9/2020
Creation Date:	7/14/2020
Receipt Date:	6/10/2020
Manifest ID:	021581759JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.16764
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	4/17/2020
Creation Date:	5/6/2020
Receipt Date:	4/17/2020

STICE COMPANY INC (Continued) **S113118225**

Manifest ID:	021579586JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.16764
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	3/23/2020
Creation Date:	4/15/2020
Receipt Date:	3/23/2020
Manifest ID:	020679773JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.62636
Waste Quantity:	390
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	11/30/2020
Creation Date:	12/15/2020
Receipt Date:	12/1/2020
Manifest ID:	005636188FLE
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC

STICE COMPANY INC (Continued) **S113118225**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.16764
Waste Quantity: 280
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 1/28/2020
Creation Date: 2/6/2020
Receipt Date: 1/28/2020
Manifest ID: 020679555JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.482
Waste Quantity: 390
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAL000248806

Shipment Date: 20171212
Creation Date: 6/13/2018 18:30:46
Receipt Date: 20171212
Manifest ID: 017380349JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste

STICE COMPANY INC (Continued) **S113118225**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.60545
Waste Quantity:	385
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171020
Creation Date:	6/20/2018 18:31:19
Receipt Date:	20171020
Manifest ID:	017179449JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.45533
Waste Quantity:	349
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170811
Creation Date:	5/31/2018 18:30:25
Receipt Date:	20170814
Manifest ID:	017381959JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.1676
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170518
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170519
Manifest ID:	016465942JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170412
Creation Date:	5/9/2018 18:32:18
Receipt Date:	20170413
Manifest ID:	016465665JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.0842
Waste Quantity:	260
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170210
Creation Date:	5/18/2017 18:32:20

STICE COMPANY INC (Continued) **S113118225**

Receipt Date:	20170213
Manifest ID:	016467976JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3344
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000248806
Shipment Date:	20151123
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20151124
Manifest ID:	015033873JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150915
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150915
Manifest ID:	014446829JJK
Trans EPA ID:	CAR000172460

STICE COMPANY INC (Continued) **S113118225**

Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150819
Manifest ID:	014580139JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	7/16/2015 22:15:31
Receipt Date:	20150527
Manifest ID:	014581108JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150319
Creation Date:	6/25/2015 22:15:36
Receipt Date:	20150320
Manifest ID:	013863661JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.254
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150127
Creation Date:	3/23/2015 22:15:13
Receipt Date:	20150128
Manifest ID:	013864256JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G

STICE COMPANY INC (Continued) **S113118225**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000248806

Shipment Date: 20151123
Creation Date: 2/4/2016 22:15:36
Receipt Date: 20151124
Manifest ID: 015033873JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.064
Waste Quantity: 280
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150915
Creation Date: 11/17/2015 22:15:32
Receipt Date: 20150915
Manifest ID: 014446829JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.045
Waste Quantity: 275
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

STICE COMPANY INC (Continued) **S113118225**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	10/12/2015 22:15:20
Receipt Date:	20150819
Manifest ID:	014580139JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150526
Creation Date:	7/16/2015 22:15:31
Receipt Date:	20150527
Manifest ID:	014581108JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150319
Creation Date:	6/25/2015 22:15:36
Receipt Date:	20150320
Manifest ID:	013863661JJK

STICE COMPANY INC (Continued) **S113118225**

Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.254
Waste Quantity: 330
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150127
Creation Date: 3/23/2015 22:15:13
Receipt Date: 20150128
Manifest ID: 013864256JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.045
Waste Quantity: 275
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2014
Gen EPA ID: CAL000248806

Shipment Date: 20141114
Creation Date: 1/21/2015 22:15:08
Receipt Date: 20141118
Manifest ID: 013856168JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported

STICE COMPANY INC (Continued) **S113118225**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.82229
Waste Quantity:	437
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141010
Creation Date:	11/25/2014 22:15:05
Receipt Date:	20141013
Manifest ID:	013125340JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141007
Creation Date:	11/25/2014 22:15:05
Receipt Date:	20141008
Manifest ID:	013125309JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140912
Creation Date:	11/12/2014 22:15:05
Receipt Date:	20140917
Manifest ID:	013481929JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140812
Creation Date:	11/3/2014 22:14:33
Receipt Date:	20140814
Manifest ID:	013481515JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140616
Creation Date:	9/9/2014 22:15:18
Receipt Date:	20140619
Manifest ID:	013124768JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140417
Creation Date:	6/2/2014 22:15:08
Receipt Date:	20140422
Manifest ID:	012427959JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140227
Creation Date:	4/30/2014 22:15:09
Receipt Date:	20140305

STICE COMPANY INC (Continued) **S113118225**

Manifest ID:	012155976JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3344
Waste Quantity:	320
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140113
Creation Date:	2/24/2014 22:15:23
Receipt Date:	20140114
Manifest ID:	012155556JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000248806

Shipment Date:	20131217
Creation Date:	1/29/2014 22:15:13
Receipt Date:	20131217
Manifest ID:	012157294JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC

STICE COMPANY INC (Continued) **S113118225**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131031
Creation Date:	12/23/2013 22:15:27
Receipt Date:	20131113
Manifest ID:	011732886JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.102
Waste Quantity:	290
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	10/31/2013 22:15:06
Receipt Date:	20130917
Manifest ID:	011439351JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

STICE COMPANY INC (Continued) **S113118225**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130729
Creation Date:	9/15/2013 22:15:33
Receipt Date:	20130731
Manifest ID:	011447794JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.368
Waste Quantity:	360
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130614
Creation Date:	8/29/2013 22:15:07
Receipt Date:	20130619
Manifest ID:	011439904JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.292
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported

STICE COMPANY INC (Continued) **S113118225**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130517
Creation Date:	7/9/2013 22:15:12
Receipt Date:	20130517
Manifest ID:	011439575JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130408
Creation Date:	6/7/2013 22:15:20
Receipt Date:	20130409
Manifest ID:	011192381JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130321
Creation Date:	5/8/2013 22:15:09

STICE COMPANY INC (Continued) **S113118225**

Receipt Date:	20130327
Manifest ID:	011192064JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130227
Creation Date:	4/22/2013 22:15:13
Receipt Date:	20130301
Manifest ID:	011134273JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130212
Creation Date:	4/12/2013 22:15:31
Receipt Date:	20130214
Manifest ID:	011134062JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481

STICE COMPANY INC (Continued) **S113118225**

Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 1.064
Waste Quantity: 280
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2012
Gen EPA ID: CAL000248806

Shipment Date: 20121226
Creation Date: 3/7/2013 22:15:23
Receipt Date: 20121227
Manifest ID: 010964699JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.95
Waste Quantity: 250
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20121004
Creation Date: 11/28/2012 22:15:34
Receipt Date: 20121004
Manifest ID: 010615078JJK
Trans EPA ID: CAR000172460
Trans Name: ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

STICE COMPANY INC (Continued) **S113118225**

Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120807
Creation Date:	9/26/2012 22:15:10
Receipt Date:	20120809
Manifest ID:	010387640JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120608
Creation Date:	9/17/2012 22:15:18
Receipt Date:	20120618
Manifest ID:	010210562JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14
Waste Quantity:	300
Quantity Unit:	G

STICE COMPANY INC (Continued) **S113118225**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120423
Creation Date:	6/1/2012 20:30:08
Receipt Date:	20120425
Manifest ID:	009945373JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.254
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120326
Creation Date:	5/10/2012 20:30:12
Receipt Date:	20120327
Manifest ID:	009503454JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.254
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120220

STICE COMPANY INC (Continued) **S113118225**

Creation Date:	4/16/2012 20:30:25
Receipt Date:	20120221
Manifest ID:	009502852JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.292
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120110
Creation Date:	3/27/2012 20:30:27
Receipt Date:	20120117
Manifest ID:	009218402JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.874
Waste Quantity:	230
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	STICE COMPANY INC
Address:	10851 JEFFREY RD
City,State,Zip:	IRVINE, CA 92602
Site ID:	365488
CERS ID:	10548562
CERS Description:	Chemical Storage Facilities

STICE COMPANY INC (Continued) **S113118225**

Violations:

Site ID:	365488
Site Name:	STICE COMPANY INC
Violation Date:	03-07-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 03/29/2022. The annual electronic CERS submittal was due on 3/1/22. Login to CERS and complete the submittal within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	365488
Site Name:	STICE COMPANY INC
Violation Date:	11-09-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	365488
Site Name:	STICE COMPANY INC
Violation Date:	01-08-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/03/2017. Used oil filters have not been picked up within the last year. Drums containing used oil and gasoline filters were observed on site. Have the filters picked up and send a copy of the receipt to this agency within 30 days.
Violation Division:	Orange County Environmental Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	03-07-2022
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Outstanding violation: I169 - Propane cylinders were identified by this agency during an inspection. Add propane to the chemical inventory in CERS. Correct the violation immediately.
Eval Division:	Orange County Environmental Health
Eval Program:	HMRRP
Eval Source:	CERS,

STICE COMPANY INC (Continued) **S113118225**

Eval General Type: Other/Unknown
Eval Date: 03-29-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The CERS submittal has been completed for 2022 including the propane added to the inventory and the Business Emergency Plan. Violations corrected. No outstanding violations. Copy of report mailed to facility.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection. Permission to conduct inspection was granted by John Stice. Facility generates the following hazardous wastes: waste oil, used absorbent and drained used oil filters. Containers of hazardous waste were stored closed and properly labeled. Containers appeared to be in good condition. Manifests were available for review. Facility is assigned and using active EPA ID number CAL000248806. Drained used oil filters have not been hauled within the previous year (see violation). Storage accumulation time for used oil/gasoline filters may not exceed one year from the first date of accumulation. Have the filters removed and send a copy of the manifest/receipt to this Agency within 30 days. Emergency information is available. Inspected perimeter of facility and found no evidence of hazardous waste runoff.
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-23-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: CERS review: BA/OW pg
Eval Division: Orange County Environmental Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-04-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed updated HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following corrections are

STICE COMPANY INC (Continued) **S113118225**

still needed: CHEMICAL INVENTORY During an inspection conducted at your facility on 1/8/16, it was noted that you store the following materials above reporting thresholds: used oil and gasoline filters, new oil, argon/C02, nitrogen and oxygen. Please add to your disclosure. Motor oil remove CAS# from Chemical Identification section//Max Amount must at minimum be equal to Largest Container//Storage Pressure and Temperature = Ambient//Mixture Components - add CAS# for Base oils (64742-65-0) and remove additive package from listing Ethylene Glycol - remove amount from Annual Waste Amount field//Max Amount must be at least the same as largest container//Units = Gallons//Storage Pressure and Temp = Ambient Grease it is unclear which material you are attempting to report (grease was not observed on site in reportable quantities) please [Truncated]

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous waste inspection with Jeff Stice. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: STICE COMPANY On site for an initial hazardous materials inspection. Inspection was conducted with John Stice. The following hazardous materials were observed in amounts that exceed the required disclosure quantities: -drained used oil/gasoline filters, drums -waste oil, aboveground tank -new oil, aboveground tank -argon/CO2, cylinder -nitrogen, cylinder -oxygen, cylinder -waste antifreeze, drum REQUIREMENT FOR ELECTRONIC SUBMITTAL OF HMBEP DOCUMENTS: This report serves as notice that the facility must submit the following documents electronically within 30 days: -Business Emergency Plan -Hazardous Materials Chemical Inventory -Site Map The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above the disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change. The Reporting [Truncated]

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

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Orange County Environmental Health

STICE COMPANY INC (Continued) **S113118225**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-19-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Outstanding violation: I169 - On 11/8/21 this agency conducted an inspection at this facility and identified 4 cylinders of propane stored above the reporting threshold. Add the propane to the inventory in the CERS portal and resubmit please.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-31-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Facility has complied with 2016 HMBEP reporting requirement. Reviewed HMBEP submittal on CERS. Package was declined and an email sent to the facility contact. The following corrections are needed: Business Activities please do not check the box for remote waste consolidation. Your activities do not fall under this regulatory category. Owner Operator - please list the owner at Stice Company Inc. Robert Stice may be the president of the corporation but the business is held by the company//please change the Environmental Contact to be a person within your business CHEMICAL INVENTORY During an inspection conducted at your facility on 1/8/16, it was noted that you store the following materials above reporting thresholds: used oil and gasoline filters, new oil, argon/C02, nitrogen and oxygen. Please add to your disclosure. Motor oil remove CAS# from Chemical Identification section//Max Amount must at minimum be equal to Largest Container//Storage Pressure and [Truncated]
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for a routine hazardous materials inspection with Jeff Stice. Business has disclosed 5 materials. While on site it was observed that business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.
Eval Division: Orange County Environmental Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 365488
Facility Name: STICE COMPANY INC
Env Int Type Code: HWG
Program ID: 10548562
Coord Name: Not reported

STICE COMPANY INC (Continued) **S113118225**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.725420
Longitude: -117.727240

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Stice Company Inc.
Entity Title: Not reported
Affiliation Address: 10851 Jeffrey road
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92602
Affiliation Phone: (714) 746-8590,

Affiliation Type Desc: CUPA District
Entity Name: Orange County Env Health
Entity Title: Not reported
Affiliation Address: 1241 East Dyer RoadSuite 120
Affiliation City: Santa Ana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92705-5611
Affiliation Phone: (714) 433-6406,

Affiliation Type Desc: Operator
Entity Name: Jon Stice
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (714) 322-7816,

Affiliation Type Desc: Property Owner
Entity Name: Irvine Company
Entity Title: Not reported
Affiliation Address: 550 newport center drive
Affiliation City: Newport beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92660
Affiliation Phone: (949) 720-2716,

Affiliation Type Desc: Environmental Contact
Entity Name: John Stice
Entity Title: Not reported
Affiliation Address: 10851 Jeffrey Road
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92602
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jon Stice

STICE COMPANY INC (Continued) **S113118225**

Entity Title: Vice President
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: STICE COMPANY INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Jon Stice
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 10851 Jeffrey road
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92602
Affiliation Phone: ,

HWTS:
Name: STICE COMPANY INC
Address: 10851 JEFFREY RD
Address 2: Not reported
City,State,Zip: IRVINE, CA 92602
EPA ID: CAL000248806
Inactive Date: Not reported
Create Date: 03/27/2002
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 10851 JEFFREY RD
Mailing Address 2: Not reported
Mailing City,State,Zip: IRVINE, CA 926020000
Owner Name: STICE CO INC
Owner Address: 10851 JEFFREY RD
Owner Address 2: Not reported
Owner City,State,Zip: IRVINE, CA 926020000
Contact Name: JONATHAN STICE

STICE COMPANY INC (Continued) **S113118225**

Contact Address:	10851 JEFFREY RD
Contact Address 2:	Not reported
City,State,Zip:	IRVINE, CA 92602
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.719986
Longitude:	-117.731117

NAICS:

EPA ID:	CAL000248806
Create Date:	2011-04-05 10:18:11.997
NAICS Code:	33651
NAICS Description:	Railroad Rolling Stock Manufacturing
Issued EPA ID Date:	2002-03-27 11:15:33.86000
Inactive Date:	Not reported
Facility Name:	STICE COMPANY INC
Facility Address:	10851 JEFFREY RD
Facility Address 2:	Not reported
Facility City:	IRVINE
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92602

G30 **TUSTIN NATIL GUARD RIFLE RANGE** **FUDS** **1007372677**
East **N/A**
1/4-1/2 **TUSTIN, CA**
0.288 mi.
1520 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
777 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F564100
Congressional District Number:	45
Name:	TUSTIN NATIL GUARD RIFLE RANGE
FUDS Number:	J09CA0653
City:	TUSTIN
State:	CA
County:	ORANGE
Object ID:	3359
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties with all projects at site closeout
Current Owner:	OTHER: OTHER
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61211
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not reported
Project Required:	Yes
Feature Description:	It was used as a military rifle range during WWII
Latitude:	33.7173
Longitude:	-117.717003

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5641
RAB:	Not reported
NPL Status:	Not Listed

TUSTIN NATIL GUARD RIFLE RANGE (Continued) **1007372677**

Description:	The site consisted of 701.54 acres
History:	It was used as a military rifle range during WWII
CTC:	214.90000000000001
Current Program:	Not reported
Future Program:	Not reported
Institutional ID:	61211

MRA:

Inst ID:	61211
FUDS Number:	J09CA0653
Facility Name:	TUSTIN NATIL GUARD RIFLE RANGE
PHASE:	4
ARC:	Y
DIST:	SPL
MMRP:	Y
MRA ID:	J09CA065301R01

MRS:

Inst ID:	61211
FUDS Number:	J09CA0653
Facility Name:	TUSTIN NATIL GUARD RIFLE RANGE
PHASE:	4
Site ID:	01
DIST:	SPL
MMRP:	Y
MRA ID:	J09CA065301R01
PROJ NO:	J09CA065301

G31 **RIFLE RANGE** **UXO** **1024714330**
East **N/A**
1/4-1/2 **TUSTIN, CA**
0.288 mi.
1520 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
777 ft.

UXO:

DoD Component:	FUDS
Installation Name:	TUSTIN NATIL GUARD RIFLE RANGE
Name:	RIFLE RANGE
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	TUSTIN, CA
Site ID:	01OEW
Site Type:	Small Arms Range
Latitude:	33.717300
Longitude:	-117.717003

32 SSW 1/4-1/2 0.466 mi. 2462 ft.

PROPOSED STONEGATE ELEMENTARY SCHOOL
IRVINE BOULEVARD/GROVELAND
IRVINE, CA 92618

ENVIROSTOR SCH **S108407585 N/A**

Relative: Lower

Actual: 292 ft.

ENVIROSTOR:

Name:	PROPOSED STONEGATE ELEMENTARY SCHOOL
Address:	IRVINE BOULEVARD/GROVELAND
City,State,Zip:	IRVINE, CA 92618
Facility ID:	60000577
Status:	No Further Action
Status Date:	04/16/2007
Site Code:	404737
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	68
Senate:	37
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.70587
Longitude:	-117.7399
APN:	104-113-70, 104-115-09
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	SOIL
Alias Name:	104-113-70
Alias Type:	APN
Alias Name:	104-115-09
Alias Type:	APN
Alias Name:	404737
Alias Type:	Project Code (Site Code)
Alias Name:	60000577
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	04/03/2007
Comments:	A site visit was conducted for the site listed above. Individuals present for the visit included Mr. Christopher Frost (DTSC Project Manager), Mr. Tawfiq Deek (DTSC Supervisor), Ms. Lorrie Ruiz (Irvine Unified School District), Ms. Dana Hamernick (Irvine Unified School District) and Dr. Denise Clendening (The Planning Center). Mr. Jeff Troy of the Irvine Company was also present during part of the site visit. During the visit site conditions were observed to be similar to those described in the PEA Report submitted by the consultant. During the site visit the stormwater basin at the western corner of the site was observed.

PROPOSED STONEGATE ELEMENTARY SCHOOL (Continued) **S108407585**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/01/2007
Comments: Signed Agreement sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/17/2007
Comments: Cost Recovery Unit (CRU) Memo completed for the site. All financial records will be summarized and closed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/13/2007
Comments: PEA Report was approved by DTSC. Approval letter was sent to the District and their consultant.

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

SCH:

Name: PROPOSED STONEGATE ELEMENTARY SCHOOL
Address: IRVINE BOULEVARD/GROVELAND
City,State,Zip: IRVINE, CA 92618
Facility ID: 60000577
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404737
Assembly: 68
Senate: 37
Special Program Status: Not reported
Status: No Further Action
Status Date: 04/16/2007
Restricted Use: NO
Funding: School District
Latitude: 33.70587
Longitude: -117.7399

PROPOSED STONEGATE ELEMENTARY SCHOOL (Continued) **S108407585**

APN:	104-113-70, 104-115-09
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	SOIL
Alias Name:	104-113-70
Alias Type:	APN
Alias Name:	104-115-09
Alias Type:	APN
Alias Name:	404737
Alias Type:	Project Code (Site Code)
Alias Name:	60000577
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	04/03/2007
Comments:	A site visit was conducted for the site listed above. Individuals present for the visit included Mr. Christopher Frost (DTSC Project Manager), Mr. Tawfiq Deek (DTSC Supervisor), Ms. Lorrie Ruiz (Irvine Unified School District), Ms. Dana Hamernick (Irvine Unified School District) and Dr. Denise Clendening (The Planning Center). Mr. Jeff Troy of the Irvine Company was also present during part of the site visit. During the visit site conditions were observed to be similar to those described in the PEA Report submitted by the consultant. During the site visit the stormwater basin at the western corner of the site was observed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/01/2007
Comments:	Signed Agreement sent (FedEx) to District.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/17/2007
Comments:	Cost Recovery Unit (CRU) Memo completed for the site. All financial records will be summarized and closed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/13/2007
Comments:	PEA Report was approved by DTSC. Approval letter was sent to the District and their consultant.

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

PROPOSED STONEGATE ELEMENTARY SCHOOL (Continued) **S108407585**

Schedule Revised Date: Not reported

33
WSW
1/2-1
0.761 mi.
4019 ft.

PA 5B ELEMENTARY SCHOOL **ENVIROSTOR** **S117534665**
INTERSECTION OF IRVINE BLVD. & JEFFREY ROAD **SCH** **N/A**
IRVINE, CA 92620

Relative:
Lower

Actual:
256 ft.

ENVIROSTOR:

Name:	PA 5B ELEMENTARY SCHOOL
Address:	INTERSECTION OF IRVINE BLVD. & JEFFREY ROAD
City,State,Zip:	IRVINE, CA 92620
Facility ID:	60002131
Status:	No Further Action
Status Date:	04/30/2015
Site Code:	404907
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	10
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Scarlett Zhai
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	68
Senate:	37
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.70904
Longitude:	-117.7511
APN:	NONE SPECIFIED
Past Use:	NURSERY, TRANSPORTATION - PIPELINE, UNDERGROUND STORAGE TANKS
Potential COC:	Arsenic Benzene Chlordane DDD DDE DDT Endrin Lead Toxaphene Aldrin Dieldrin Endosulfan Ethylbenzene Heptachlor Heptachlor epoxide HCH (alpha HCH (beta HCH (gamma) Lindane HCH-technical Mirex Toluene Xylenes
Confirmed COC:	Not reported
Potential Description:	SOIL, SV
Alias Name:	404907
Alias Type:	Project Code (Site Code)
Alias Name:	60002131
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	03/11/2015
Comments:	DTSC concurred with the Adequacy of the Workplan for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	12/18/2014
Comments:	Not reported

PA 5B ELEMENTARY SCHOOL (Continued) **S117534665**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/08/2015
Comments: Fully executed EOA sent (FedEx) to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/27/2015
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

SCH:

Name: PA 5B ELEMENTARY SCHOOL
Address: INTERSECTION OF IRVINE BLVD. & JEFFREY ROAD
City,State,Zip: IRVINE, CA 92620
Facility ID: 60002131
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Scarlett Zhai
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404907
Assembly: 68
Senate: 37
Special Program Status: Not reported
Status: No Further Action
Status Date: 04/30/2015
Restricted Use: NO
Funding: School District
Latitude: 33.70904
Longitude: -117.7511
APN: NONE SPECIFIED
Past Use: NURSERY, TRANSPORTATION - PIPELINE, UNDERGROUND STORAGE TANKS

PA 5B ELEMENTARY SCHOOL (Continued) **S117534665**

Potential COC: Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Toxaphene, Aldrin, Dieldrin, Endosulfan, Ethylbenzene, Heptachlor, Heptachlor epoxide, HCH (alpha, HCH (beta, HCH (gamma) Lindane, HCH-technical, Mirex, Toluene, Xylenes

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
IRVINE	S128935383	EL MODENO GARDENS	11911 JEFFREY RD	92602	CPS-SLIC
IRVINE	S117541240	STONEGATE DEVELOPMENT	SOUTH OF PORTOLA & EAST OF JEF		CPS-SLIC, Orange Co. Industrial Site
IRVINE	S128002103	QUICKEL PAVING, INC - YARD	241 PORTOLA STAGING AREA	92618	CERS HAZ WASTE

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

Lists of Federal NPL (Superfund) sites

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: 01/25/2023
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 25

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
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

Lists of Federal Delisted NPL sites

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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
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: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

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

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

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 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 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 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 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: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST 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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Lists of 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: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield 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: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/26/2023
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: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 05/22/2023
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: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 05/15/2023
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

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

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: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
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: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
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: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
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: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
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: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
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: 12/31/2021
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/16/2023
Next Scheduled EDR Contact: 05/29/2023
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: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 05/15/2023
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: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
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: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
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: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
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: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/23/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 01/02/2023
Date Data Arrived at EDR: 01/05/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 76
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

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

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022
Date Data Arrived at EDR: 11/14/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 79
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/26/2023
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: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/23/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
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: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

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: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
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: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
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: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
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: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64
Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/28/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/18/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: 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: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/09/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 10/28/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 01/20/2023
Number of Days to Update: 80

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

LF VENTURA: 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: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/13/2022
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

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

477333
10671 JEFFREY ROAD
IRVINE, CA 92602

TARGET PROPERTY COORDINATES

Latitude (North):	33.718685 - 33ˆ 43’ 7.27’’
Longitude (West):	117.730163 - 117ˆ 43’ 48.59’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	432347.3
UTM Y (Meters):	3731010.8
Elevation:	427 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5636489 EL TORO, CA
Version Date:	2012
Southwest Map:	5640942 TUSTIN, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

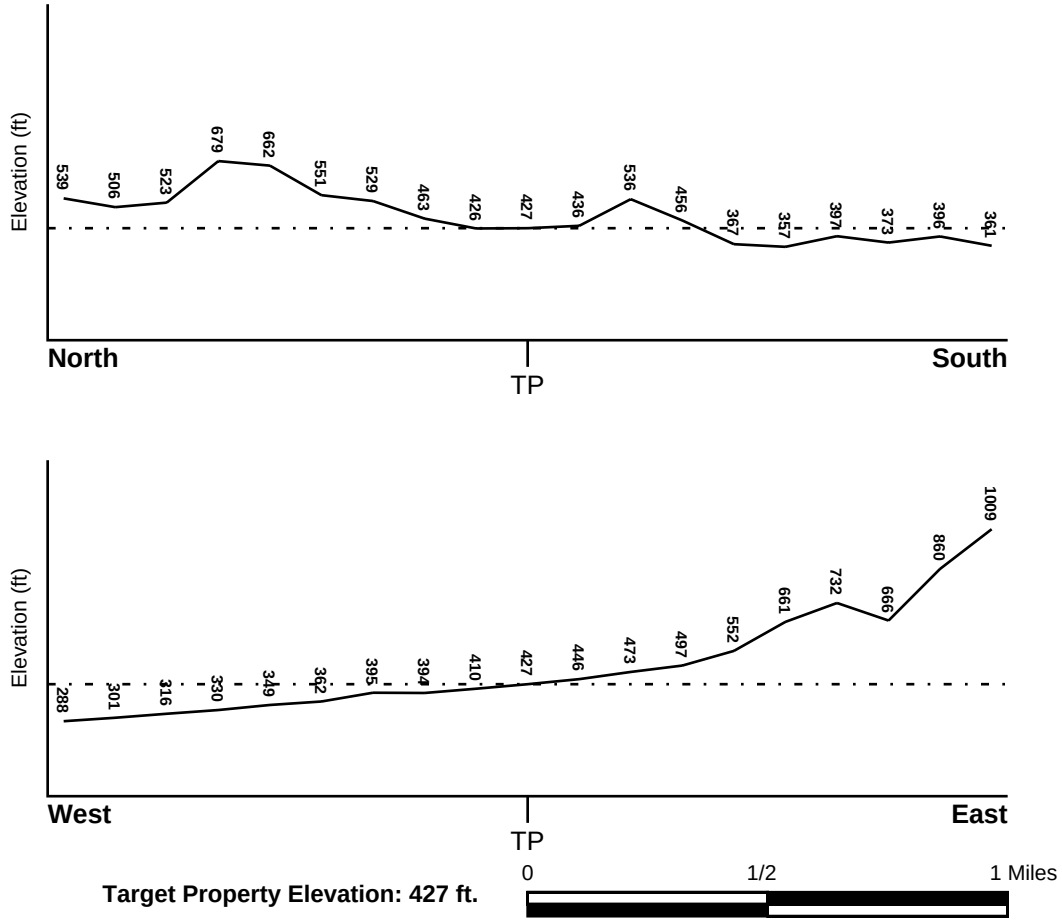
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 427 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

Flood Plain Panel at Target Property	FEMA Source Type
06059C0305J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EL TORO	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
Not Reported		

* ©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

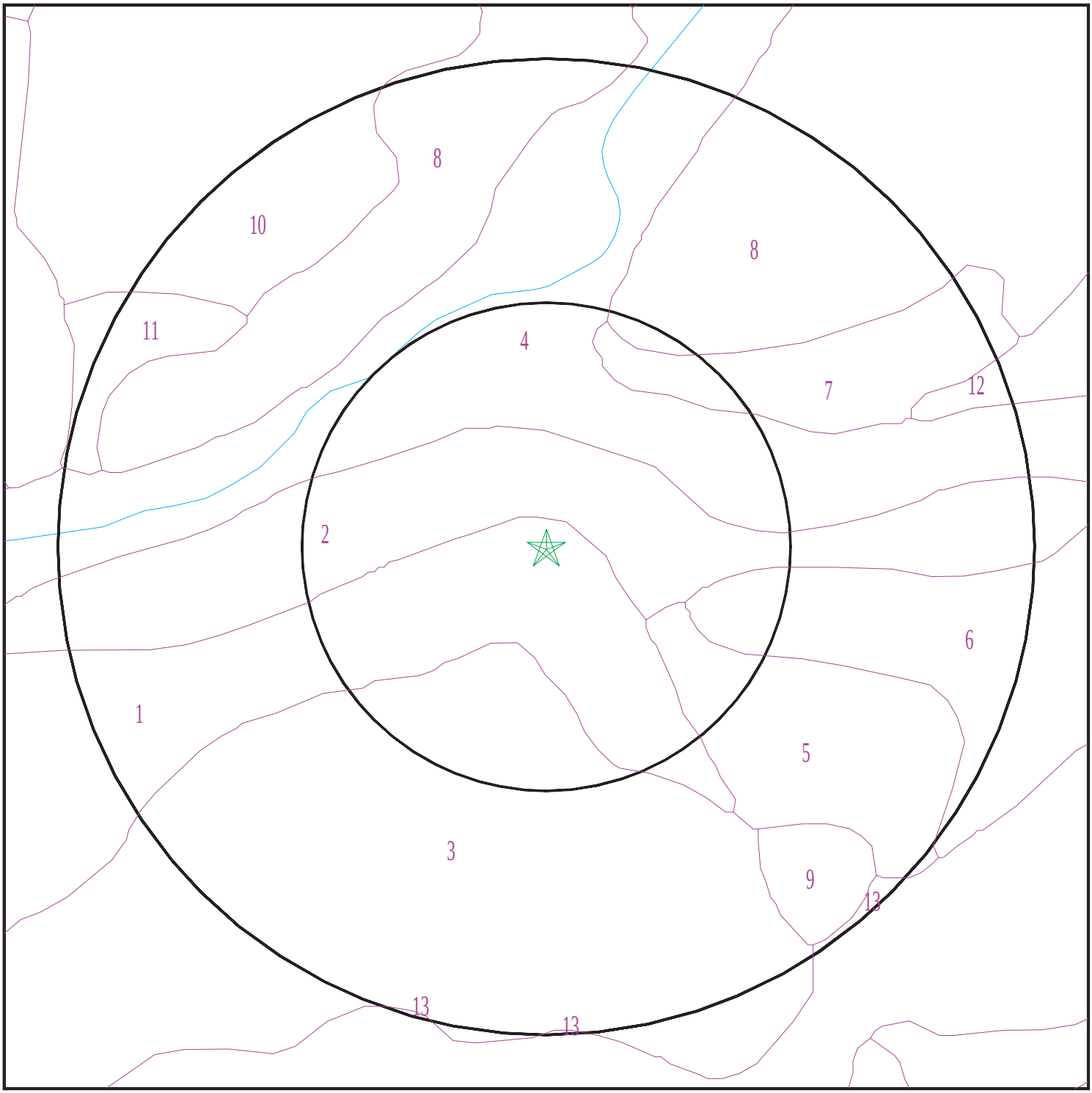
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Te *(decoded above as Era, System & Series)*

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 - 7301405.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	477333	CLIENT:	AEI Consultants
ADDRESS:	10671 Jeffrey Road Irvine CA 92602	CONTACT:	Johanan Supnet
LAT/LONG:	33.718685 / 117.730163	INQUIRY #:	7301405.2s
		DATE:	April 06, 2023 5:11 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: SORRENTO

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	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	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	11 inches	61 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	61 inches	72 inches	stratified loamy fine sand to silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: SAN EMIGDIO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	7 inches	61 inches	stratified gravelly loamy coarse sand to very fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: ANAHEIM

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	25 inches	29 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: METZ

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively 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	16 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	16 inches	62 inches	stratified sand to fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Not reported	Not reported	Max: Min:	Max: Min:
2	16 inches	20 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 6

Soil Component Name: ANAHEIM

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	25 inches	29 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 7

Soil Component Name: BALCOM

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 8

Soil Component Name: CALLEGUAS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:
2	14 inches	18 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 9

Soil Component Name: ALO

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	14 inches	22 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: 8.4 Min: 6.1
2	22 inches	25 inches	weathered bedrock	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: 8.4 Min: 6.1
3	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: 8.4 Min: 6.1

Soil Map ID: 10

Soil Component Name: BALCOM

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	33 inches	clay loam	Not reported	Not reported	Max: Min:	Max: Min:
2	33 inches	38 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 11

Soil Component Name: MYFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	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	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
2	11 inches	18 inches	sandy clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

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	18 inches	27 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
4	27 inches	70 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1
5	70 inches	79 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 6.5 Min: 6.1

Soil Map ID: 12

Soil Component Name: BOTELLA

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	7 inches	35 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	35 inches	66 inches	sandy clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 13

Soil Component Name: CIENEBA

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	11 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

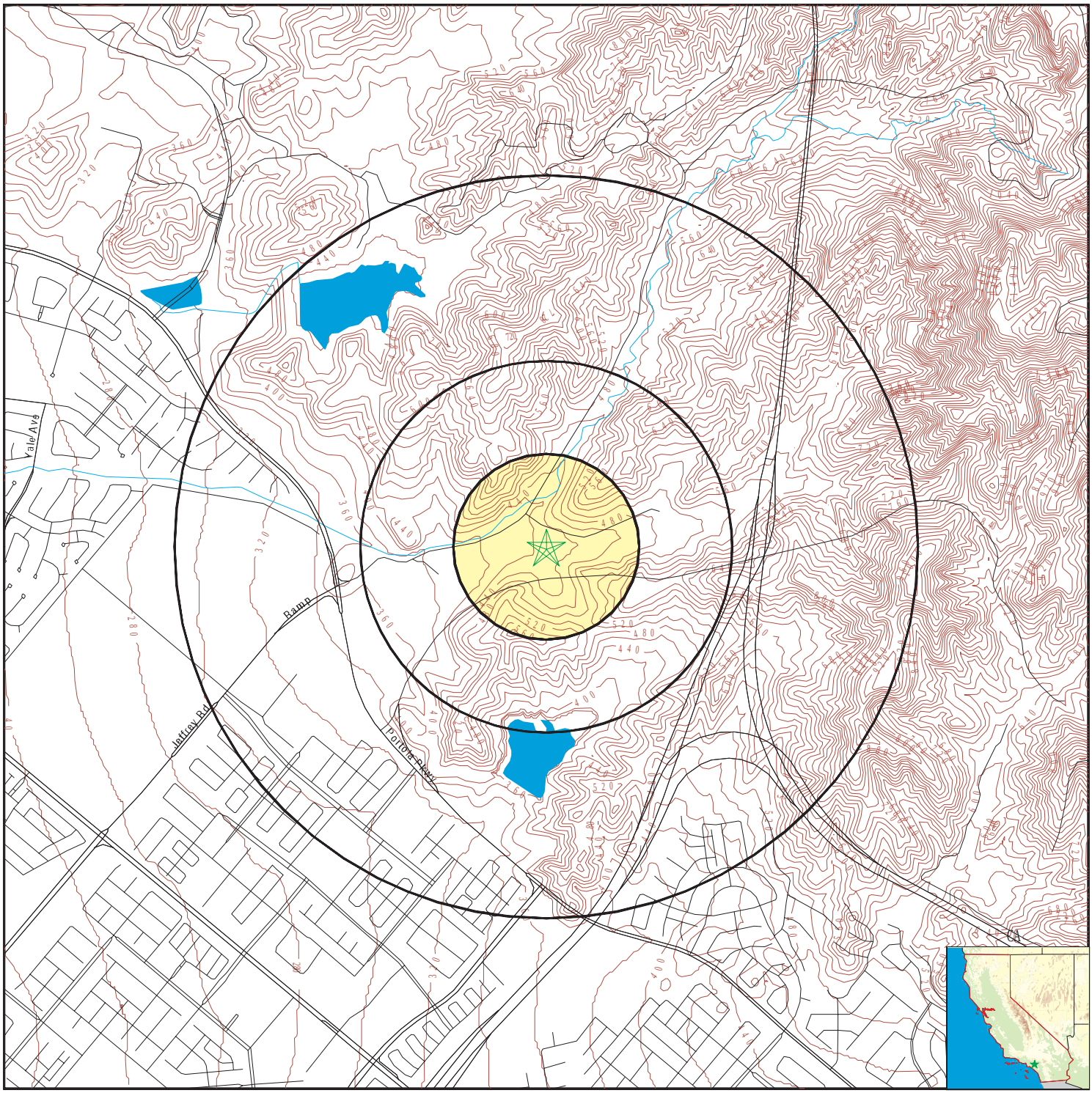
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 7301405.2s



0 1/4 1/2 1 Miles

N

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	477333	CLIENT:	AEI Consultants
ADDRESS:	10671 Jeffrey Road Irvine CA 92602	CONTACT:	Johanan Supnet
		INQUIRY #:	7301405.2s
LAT/LONG:	33.718685 / 117.730163	DATE:	April 06, 2023 5:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92618	24	0

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ORANGE COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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

HISTORICAL SOURCES

477333

10671 Jeffrey Road

Irvine, CA 92602

Inquiry Number: 7301405.5

April 06, 2023

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

04/06/23

Site Name:

477333
10671 Jeffrey Road
Irvine, CA 92602
EDR Inquiry # 7301405.5

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Johanan Supnet

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*
2020	1"=875'	Flight Year: 2020	USDA/NAIP
2016	1"=875'	Flight Year: 2016	USDA/NAIP
2012	1"=875'	Flight Year: 2012	USDA/NAIP
2009	1"=875'	Flight Year: 2009	USDA/NAIP
2005	1"=875'	Flight Year: 2005	USDA/NAIP
2002	1"=875'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=875'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=875'	Flight Date: August 03, 1989	USDA
1972	1"=875'	Flight Date: October 30, 1972	USGS
1967	1"=875'	Flight Date: May 07, 1967	USGS
1963	1"=875'	Flight Date: February 28, 1963	USGS
1952	1"=875'	Flight Date: December 12, 1952	USDA
1946	1"=875'	Flight Date: December 29, 1946	USGS
1938	1"=875'	Flight Date: June 21, 1938	USDA

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0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 2020

AEI



0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 2016

AEI



0 Feet 875 1750 3500

N

AEI

AERIAL PHOTOGRAPH - 2012



0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 2009

AEI



0 Feet 875 1750 3500

N

AEI

AERIAL PHOTOGRAPH - 2005

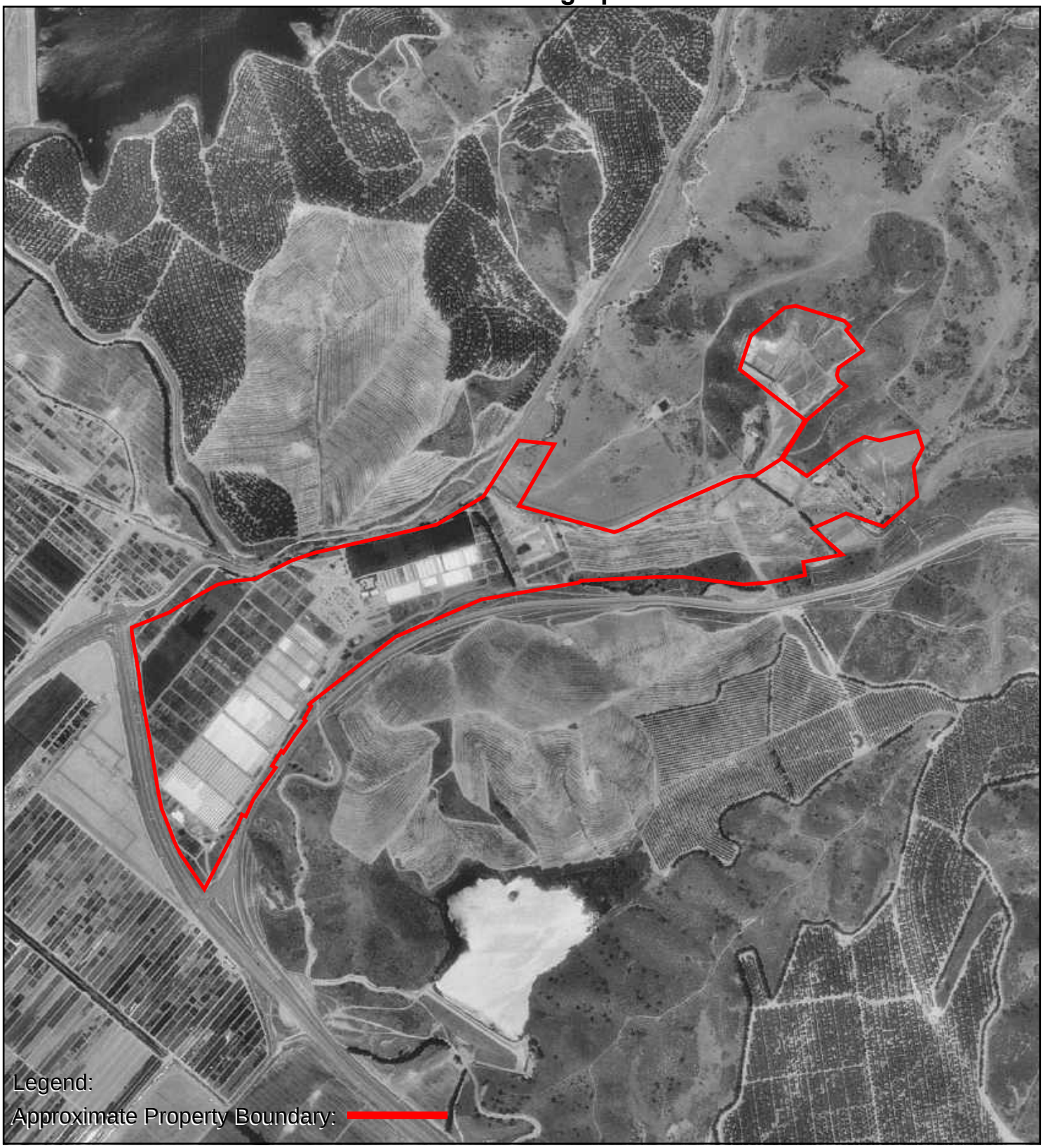


0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 2002

AEI



0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1994

AEI

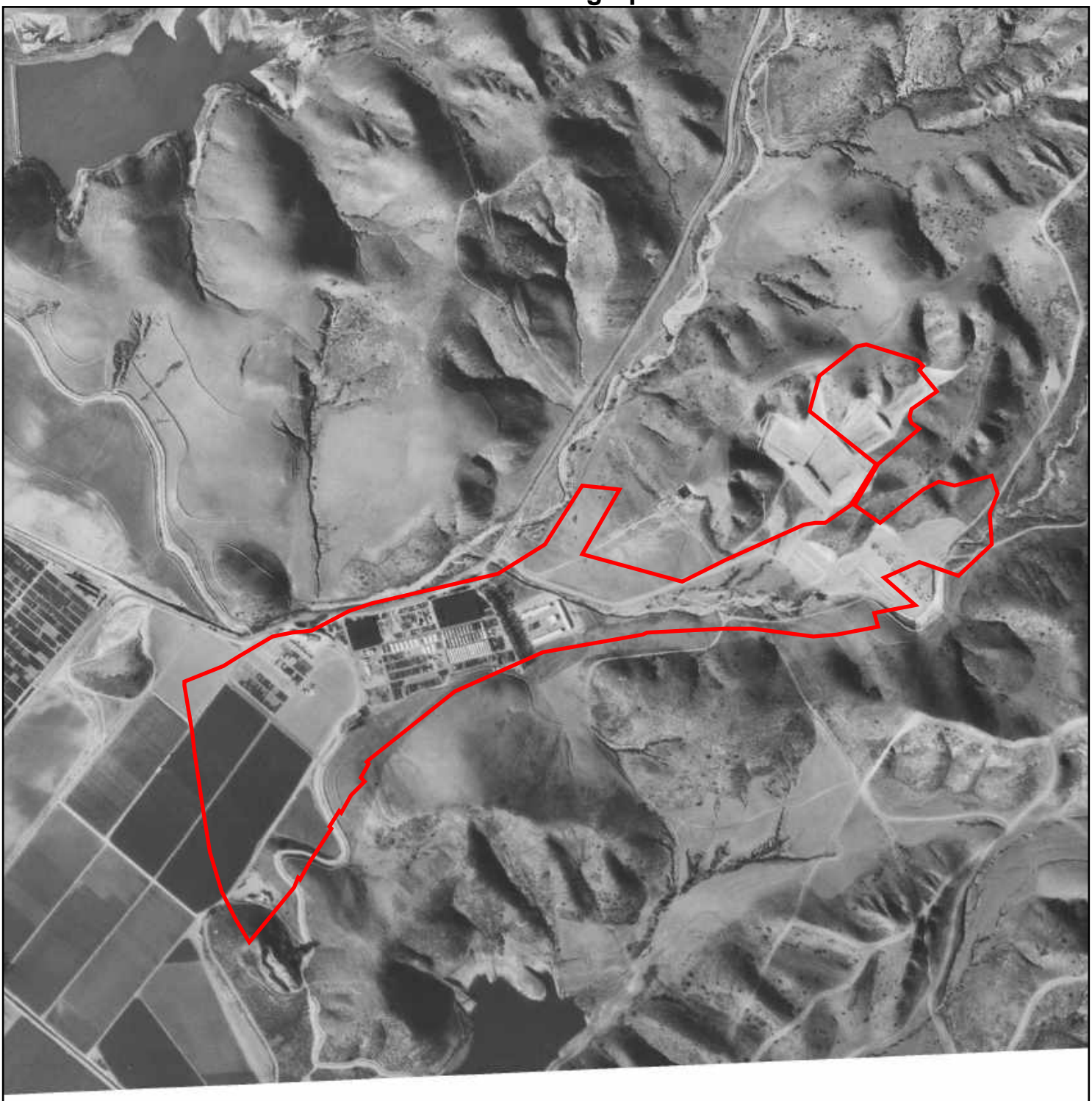


0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1989

AEI



Legend:

Approximate Property Boundary:

0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1972

AEI



0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1967

AEI

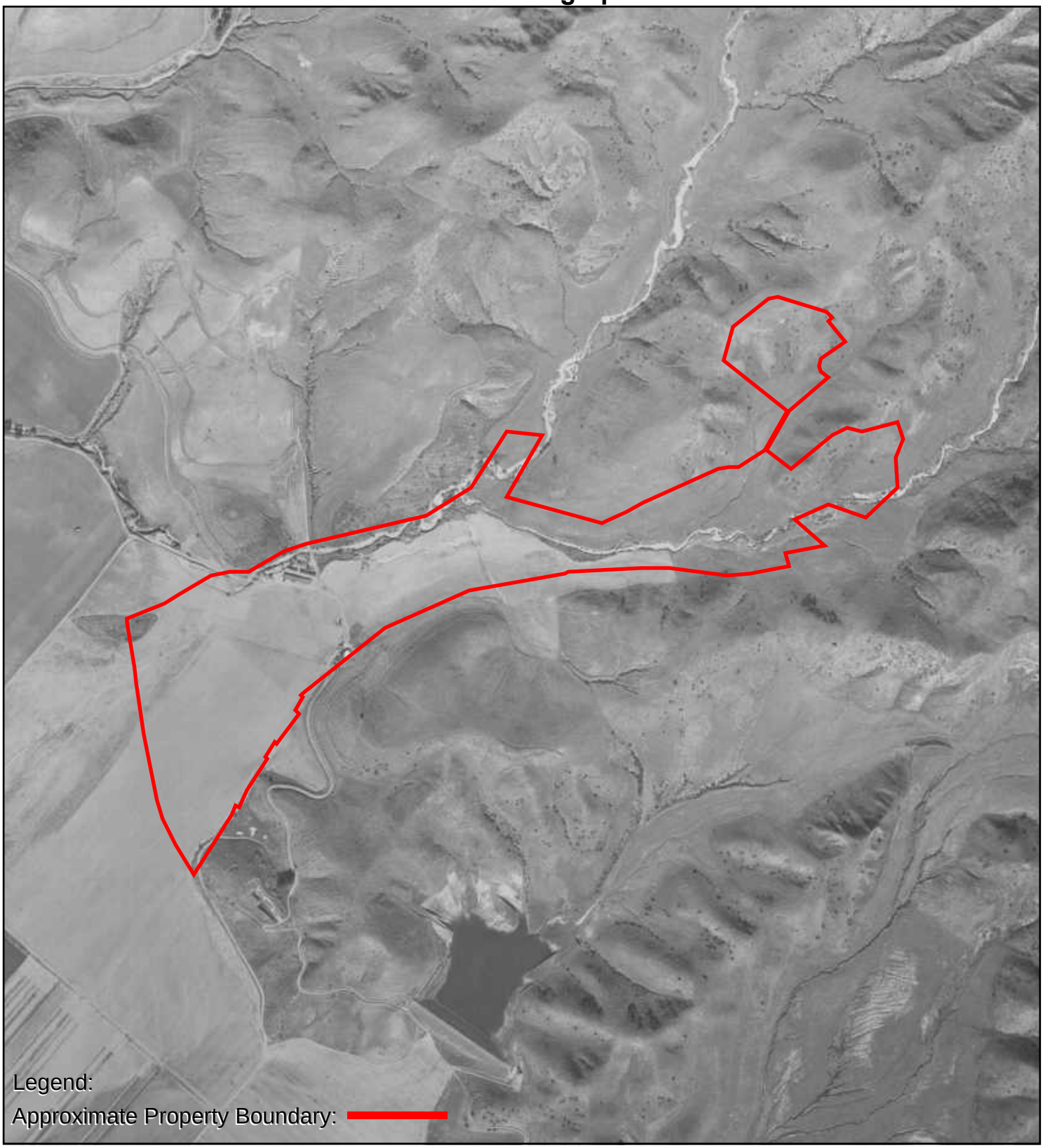


0 Feet 875 1750 3500

N

AEI

AERIAL PHOTOGRAPH - 1963

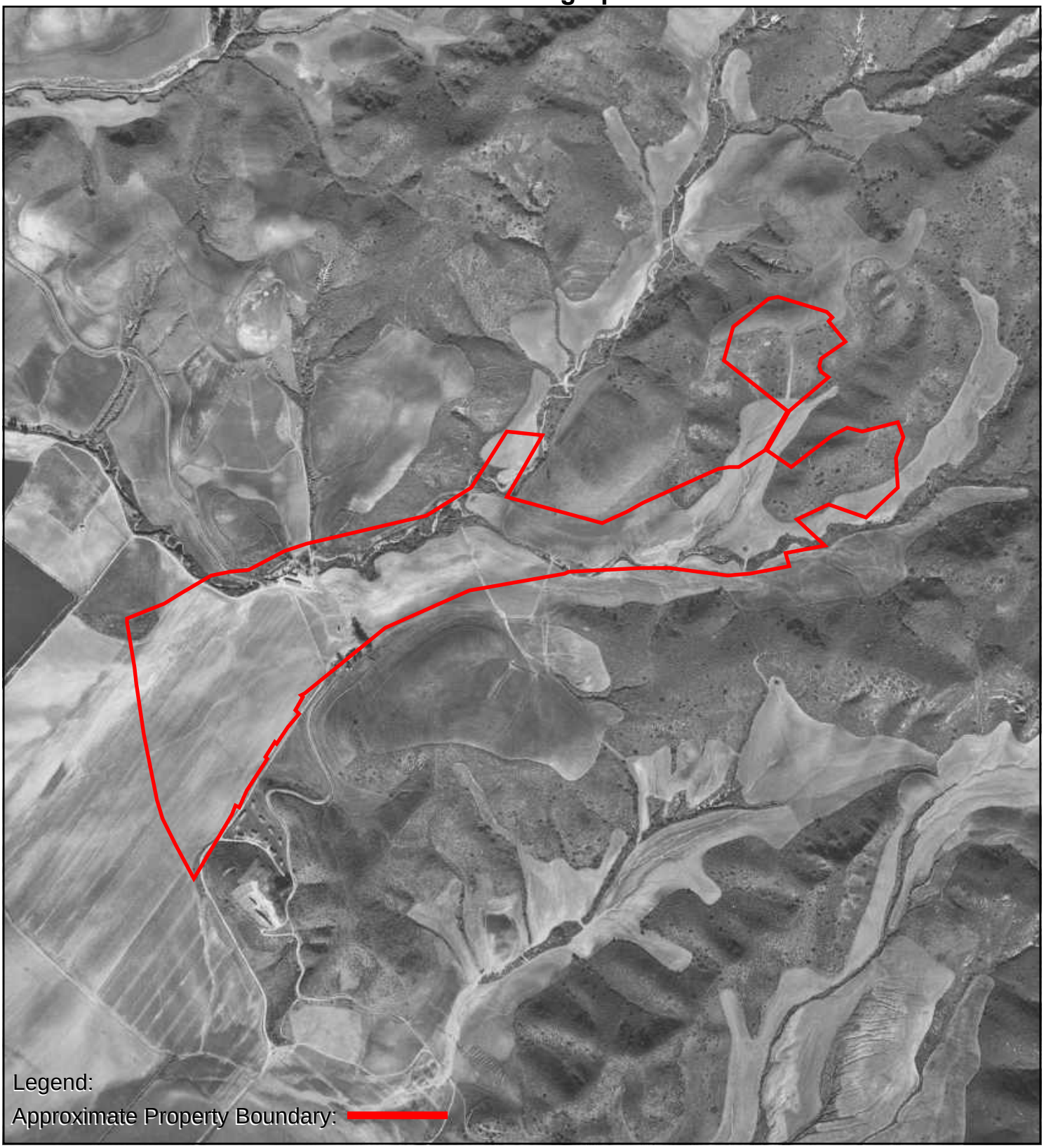


0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1952

AEI

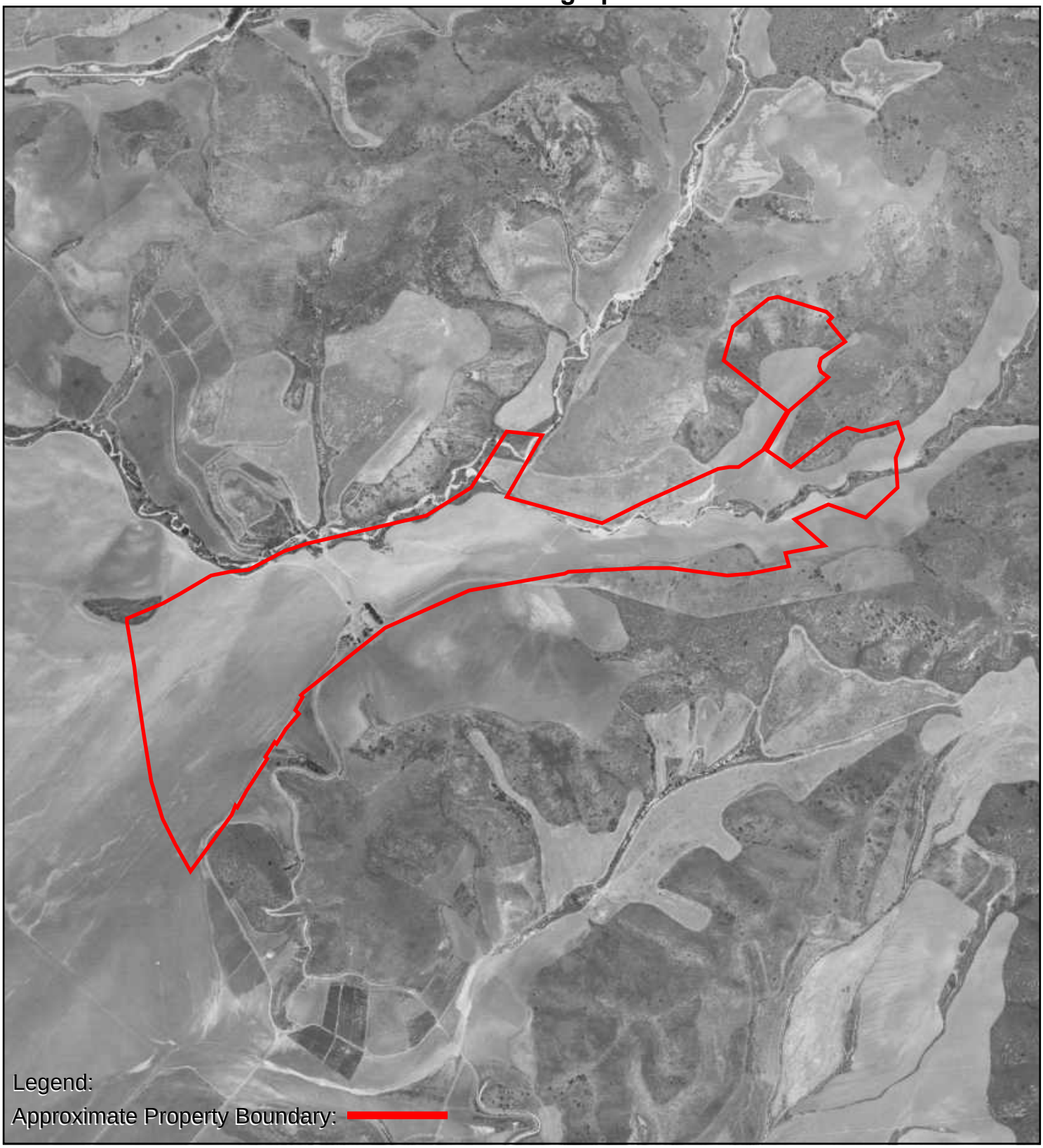


0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1946

AEI



0 Feet 875 1750 3500

N

AERIAL PHOTOGRAPH - 1938

AEI

477333

10671 Jeffrey Road

Irvine, CA 92602

Inquiry Number: 7301405.3

April 06, 2023

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/06/23

Site Name:

477333
10671 Jeffrey Road
Irvine, CA 92602
EDR Inquiry # 7301405.3

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Johanan Supnet

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AEI Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 5336-4780-BF9F

PO # 333298

Project 477333

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 5336-4780-BF9F

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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477333
10671 Jeffrey Road
Irvine, CA 92602

Inquiry Number: 7301405.6
April 06, 2023

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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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 approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 1320 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

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

Year	*Source*	*TP*	*Adjoining*	*Text Abstract*	*Source Image*
2020	EDR Digital Archive	-	-	-	-
2017	Cole Information	-	-	-	-
2014	Cole Information	-	X	X	-
2010	Cole Information	-	X	X	-
2005	Cole Information	-	X	X	-
2002	Haines Company	-	X	X	-
2001	Pacific Telephone	-	-	-	-
2000	Cole Information	-	-	-	-
1997	Pacific Telephone	-	-	-	-
1995	Pacific Bell	X	X	X	-
1992	Cole Information	-	X	X	-
1991	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1975	Luskey Brothers & Co., Inc.	-	X	X	-
1971	Luskey Brothers Co., Inc.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1970	General Telephone Co., of California	-	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	ROSS PUBLICATIONS INC.	-	-	-	-
1961	Luskey Brothers & Co.,	-	-	-	-
1960	Unknown	-	-	-	-
1956	LUSKEY BROTHERS & CO. INC.	-	-	-	-
1955	Luskeys Brothers & Co.	-	-	-	-
1952	Luskeys Directory Service Co.	-	-	-	-
1950	The Pacific Telephone and Telegraph Co.	-	-	-	-
1946	Southern California Telephone Co.	-	-	-	-
1945	McCutcheon & Bragonier	-	-	-	-
1941	Southern California Telephone Co.	-	-	-	-
1936	A SAM DAWSON DIRECTORY	-	-	-	-
1930	Western Directory Co.	-	-	-	-
1926	Pacific Telephone	-	-	-	-
1925	Western Directory Co.	-	-	-	-
1922	Kaasen Directory Co.	-	-	-	-
1921	Western Directory Co.	-	-	-	-
1920	Santa Ana Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

10671 Jeffrey Road
Irvine, CA 92602

FINDINGS DETAIL

Target Property research detail.

JEFFREY RD

10671 JEFFREY RD

Year	*Uses*	*Source*
1995	All American Asphalt	Pacific Bell

FINDINGS

ADJOINING PROPERTY DETAIL

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

JEFFREY DR

11405 JEFFREY DR

Year	Uses	Source
2002	CALIFORNIA LABOR	Haines Company

11491 JEFFREY DR

Year	Uses	Source
2002	YALEENGIN 4 EERING	Haines Company

11501 JEFFREY DR

Year	Uses	Source
2002	GRIFFITN COMPANY	Haines Company
	NAKAE&ASSOCIATES	Haines Company
	INC PALEO ENVIROMENTAL	Haines Company
	ASSOCIATES	Haines Company

JEFFREY RD

10851 JEFFREY RD

Year	Uses	Source
2014	STICE COMPANY INC	Cole Information
	ENDRIZZI ENTERPRISES	Cole Information
2010	STICE CO INC	Cole Information
2005	STICE CO INC	Cole Information

11159 JEFFREY RD

Year	Uses	Source
2010	NAKAE & ASSOC INC	Cole Information
2005	ECOLOGICAL RESTORATION SOLUTIONS INC	Cole Information
	NAKAE & ASSOCIATES INC	Cole Information

FINDINGS

11405 JEFFREY RD

Year	Uses	Source
2014	ORANGE COUNTY PRODUCE	Cole Information
2010	ORANGE COUNTY PRODUCE	Cole Information
2005	ORANGE COUNTY PRODUCE LLC	Cole Information
1995	California Labor Camp	Pacific Bell
1992	CA LABOR CAMP	Cole Information
1991	California Labor Camp	Pacific Bell
1986	California Labor Camp	Pacific Bell
	Landeros Audelio	Pacific Bell
1980	California Labor Camp	Pacific Telephone
1975	California Labor Camp	Luskey Brothers & Co., Inc.
1970	Citrus Growers Ilfc	General Telephone Co., of California

11436 JEFFREY RD

Year	Uses	Source
1970	Western Marketing Co	General Telephone Co., of California

11501 JEFFREY RD

Year	Uses	Source
2014	NAKAE & ASSOCIATES INC	Cole Information
	SUCHY TRENCHING INC	Cole Information
	GRIFFITH COMPANY	Cole Information
	ECOLOGICAL RESTORATION SOLUTIONS	Cole Information
2010	GRIFFITH CO	Cole Information
	ECOLOGICAL RESTORATION SLTNS	Cole Information
	SUCHY TRENCHING INC	Cole Information
2005	MOORE ELECTRICAL CONTRACTING INC	Cole Information
	GRIFFITH	Cole Information
1995	South Coast Gun Club Inc	Pacific Bell
1992	ORANGE CO SHOOTING	Cole Information
	SOUTH CST GUN CLUB	Cole Information
	HOUSTON, PAUL	Cole Information
1991	Houston Paul	Pacific Bell
	South Coast Gun Club Inc	Pacific Bell

FINDINGS

Year	Uses	Source
1991	SOUTH COAST GUN CLUB INC	Pacific Bell
1986	Dinnan Raymond W	Pacific Bell
	South Coast Gun Club Inc	Pacific Bell
	S OUTH COAS T GUN CLUB IN C	Pacific Bell
1980	Dinnan Raymond W	Pacific Telephone
	I South Coast Gun Club Inc	Pacific Telephone
	S OUTH COAS T GUN CLUB IN C	Pacific Telephone
1975	Dinnan Raymond W	Luskey Brothers & Co., Inc.
	South Coast Gun Club Inc	Luskey Brothers & Co., Inc.
	SOUTH COAST GUN CLUB INC	Luskey Brothers & Co., Inc.

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
Bee Canyon Access Rd	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
Portola Pkwy	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
10851 JEFFREY RD	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
10851 JEFFREY RD	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
10851 JEFFREY RD	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11159 JEFFREY RD	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11159 JEFFREY RD	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY DR	2020, 2017, 2014, 2010, 2005, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11405 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11436 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11491 JEFFREY DR	2020, 2017, 2014, 2010, 2005, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY DR	2020, 2017, 2014, 2010, 2005, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1980, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1986, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1991, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1992, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920
11501 JEFFREY RD	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1995, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
10671 Jeffrey Road	2020, 2017, 2014, 2010, 2005, 2002, 2001, 2000, 1997, 1992, 1991, 1986, 1980, 1975, 1971, 1970, 1966, 1965, 1961, 1960, 1956, 1955, 1952, 1950, 1946, 1945, 1941, 1936, 1930, 1926, 1925, 1922, 1921, 1920

APPENDIX E

REGULATORY AGENCY RECORDS



Map
Satellite

Rattlesnake Canyon
Rattlesnake Reservoir
Irvine Ranch Conservancy
Canyon View Elementary School
NORTHWOOD POINT
Chinese Baptist Church of Central Orange County
Meadowood Park
Irvine Cornerstone Child
Hicks Canyon Trail
Citrusglen Park
Laguna Farms
Irvine Valencia Growers
Stice
Irvine Ranch Conservancy Native...
Bee Canyon Greenery
Hicks Canyon
Santiago Hills Elementary
Bagh-e-minoo Daycare
chesiuassol
Mosaic Park
Eastwood Elementary School
NORTHWOOD
Zion Market
Dada Shabu Shabu
Eucalyptus Park
Jeffrey Open Space Trail Picnic Area
Swallows Park
Groves Home Sales
THE GROVES
Jeffrey Open Space Trail
Jeffrey Trail
Crean Lutheran High School Athletic Complex
STONEGATE
Treetop Park
Lomas Valley Park
Orchard Trails

LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
• Military Bases - - REMOVE

LIST SITE

EL MODENO GARDENS (T10000017722) - (MAP)

SIGN UP FOR EMAIL ALERTS

11911 JEFFREY RD
IRVINE, CA 92602-
ORANGE COUNTY
CLEANUP PROGRAM SITE (INFO)
COMPLETED - CASE CLOSED AS OF 9/23/2010 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
ORANGE COUNTY LOP *(LEAD)* - CASE # *10IC003*
CASEWORKER / *IC SUPERVISOR*
SANTA ANA RWQCB (REGION 8)

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMMARY

CLEANUP STATUS - DEFINITIONS
COMPLETED - CASE CLOSED AS OF 9/23/2010 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA OF CONCERN
NONE SPECIFIED

FILE LOCATION
ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY WAREHOUSE

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

Site History

Please refer to recent Site Documents or Monitoring Reports for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

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ORANGE COUNTY SHOOTING & TRAINING CENTER (T10000018310) - (MAP)

SIGN UP FOR EMAIL ALERTS

11501 JEFFREY RD
IRVINE, CA 92602
ORANGE COUNTY
CLEANUP PROGRAM SITE (INFO)
COMPLETED - CASE CLOSED AS OF 1/3/2003 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
ORANGE COUNTY LOP *(LEAD)* - *CASE #: 96IC013*
CASEWORKER: IC SUPERVISOR
SANTA ANA RWQCB (REGION 8)

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMMARY

CLEANUP STATUS - DEFINITIONS
COMPLETED - CASE CLOSED AS OF 1/3/2003 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA OF CONCERN
NONE SPECIFIED

FILE LOCATION
ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY WAREHOUSE

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN - Note: Area outside basins not specified-Pot MUN stated.

Site History

Please refer to recent Site Documents or Monitoring Reports for site history. Orange County is not responsible for the accuracy of any professional interpretations provided in reports submitted by consultants for the responsible party.

ORANGE COUNTY SHOOTING AND TRAINING CENTER, AREA Q (T10000017539) - (MAP)

SIGN UP FOR EMAIL ALERTS

11159 JEFFREY RD
IRVINE, CA 92606
ORANGE COUNTY
CLEANUP PROGRAM SITE (INFO)
OPEN - SITE ASSESSMENT AS OF 12/2/2021 - DEFINITION
PRINTABLE CASE SUMMARY / CSM REPORT

CLEANUP OVERSIGHT AGENCIES
ORANGE COUNTY *(LEAD)* - *CASE #: 13IC006*
CASEWORKER: KARL BEWLEY
ORANGE COUNTY *(LEAD)* - *CASE #: 96IC013*
CASEWORKER: KARL BEWLEY
SANTA ANA RWQCB (REGION 8)

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

PRINTABLE CASE SUMMARY

CLEANUP STATUS - DEFINITIONS
OPEN - SITE ASSESSMENT AS OF 12/2/2021 - CLEANUP STATUS HISTORY

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA OF CONCERN
NONE SPECIFIED

FILE LOCATION
ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY WAREHOUSE

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - DEFINITIONS
MUN, AGR, IND, PROC

DWR GROUNDWATER SUB-BASIN NAME
Coastal Plain Of Orange County (8-001)

CALWATER WATERSHED NAME
Santa Ana River - Lower Santa Ana River - East Coastal Plain (801.11)

Site History

No site history available

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FILE COPY

ADVANCED ENVIRONMENTAL CONCEPTS INC

March 28, 2003

Mr. Peter Changala
The Irvine Company, Agricultural Division
550 Newport Center Drive
Newport Beach, California 92660

RE: **Testing of Pistol Range Soil**
Portion of Former Orange County Shooting and Training Center
North Extension of Jeffrey Road
Irvine, California

Dear Mr. Changala:

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following analytical results conducted on soil samples collected at the former pistol range, Orange County Shooting and Training Center, Irvine, California.

On February 11, 2003 an AEC geologist visited the subject property to collect introductory samples of soil from the three mounds of dirt that form the shooting corridor and the impact zone. The range was configured with the east mound acting as the impact, or fall zone, and the north and south mounds provided protection from errant shots. The geologist collected a soil sample from the north mound (AEC-1-N), east mound (AEC-2-E), and south mound (AEC-3-S). The soil was sampled at an approximate depth of 0.5' to 1' into the interior of the mound.

The soil samples were analyzed for Total Lead (lead is the most likely metal element to be identified based on former manufacturing of bullets). The results of the initial lead screening are tabulated below in Table 1 and the results are reported in mg/kg which are equivalent to parts per million.

Table 1
Total Lead Results
(mg/kg)

Sample I.D.	Result	STLC (mg/L)	TTLC (mg/kg)
AEC-1-N	10	5.0	1,000
AEC-2-E	40,400	5.0	1,000
AEC-3-S	19.6	5.0	1,000

4400 ASHE ROAD, #206 • BAKERSFIELD, CA 93313 661/831-1646 • FAX 661/831-1771

The acceptable concentrations for TTLC lead in soil in California is 1,000 mg/kg and the allowable STLC lead concentrations in soil is 5 mg/L. The soil from the east mound exceeded the initial default screening process of 1,000 mg/kg, therefore, is considered "hazardous" by California regulations. AEC recommended removal of approximately 2-feet of surface soil from the west face of the east mound (impact zone) and stockpiling the soil onsite pending transport and disposal within 90 days. The Irvine Company contracted Stice Construction to remove the soil and it has been stockpiled onsite. Following removal of the impacted soil AEC returned to the site to collect confirmation soil samples from the face of the east mound.

An AEC geologist returned to the site on March 26, 2003 and collected eight soil samples at evenly spaced intervals across the west face of the east mound. The sample collection locations were clearly marked with a surveyors flag that identified the sampling location. Again the soil samples were analyzed for Total Lead. Following are the analytical results from AECs most recent discrete sampling.

Table 2
Total Lead Results
(mg/kg)

Sample I.D.	Result	STLC (mg/L)	TTLC (mg/kg)
SP-E-Top-1'	64.3	5.0	1,000
SP-E-2	62.6	5.0	1,000
SP-E-3	168	5.0	1,000
SP-E-4	88.7	5.0	1,000
SP-E-5	112	5.0	1,000
SP-E-6	117	5.0	1,000
SP-E-7	21.5	5.0	1,000
SP-E-8	142	5.0	1,000

The analytical results indicate that the removal of the 2-feet of surface soil from the west face of the east mound has significantly mitigated the lead concentrations. Current Preliminary Remediation Goals (PRGs) for residential properties indicate the allowable lead concentrations of 150 mg/kg and for industrial properties the allowable concentration is 750 mg/kg. The soil samples collected at SP-E-3 and SP-E-8 exhibited concentrations that slightly exceed, or is near the 150 mg/kg concentration. Therefore, even though this site will be an industrial property with adult occupants, AEC recommended conducting a risk analysis using the LeadSpread7 methodology approved by the Environmental Protection Agency (EPA) and Department of Toxic Substances Control (DTSC). The LeadSpread data sheet is attached and the result indicates that based on a maximum lead concentration of 168 mg/kg the 99th percentile of a child contacting Blood Pb is 8.2 micrograms per decaliters (ug/dl) which does not exceed the allowable concentration of 10 ug/dl. Therefore, AEC recommends no further remedial action be required for this site. Note that this assessment is not be construed as representing unsampled areas. If pockets of lead shot are identified during the grading process the soil will need to be properly assessed in greater detail.

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AEC appreciates the opportunity to provide our services to you and looks forward to your reply.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Principal Geologist

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

4400 ASHE ROAD #206 • BAKERSFIELD, CA 93313 661/831-1646 • FAX 661/831-1771

LEAD RISK ASSESSMENT SPREADSHEET
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

USER'S GUIDE to version 7

INPUT	
MEDIUM	LEVEL
Lead in Air (ug/m^3)	0.028
Lead in Soil/Dust (ug/g)	168.0
Lead in Water (ug/l)	15
% Home-grown Produce	0%
Respirable Dust (ug/m^3)	1.5

OUTPUT							
	Percentile Estimate of Blood Pb (ug/dl)					PRG-99	PRG-95
	50th	90th	95th	98th	99th	(ug/g)	(ug/g)
BLOOD Pb, ADULT	1.3	2.3	2.8	3.3	3.8	2407	3793
BLOOD Pb, CHILD	2.7	5.0	5.9	7.2	8.2	255	435
BLOOD Pb, PICA CHILD	3.9	7.1	8.5	10.3	11.7	128	218
BLOOD Pb, OCCUPATIONAL	1.2	2.2	2.6	3.2	3.6	3468	5452

EXPOSURE PARAMETERS			
	units	adults	children
Days per week	days/wk	7	
Days per week, occupational		5	
Geometric Standard Deviation		1.6	
Blood lead level of concern (ug/dl)		10	
Skin area, residential	cm^2	5700	2900
Skin area occupational	cm^2	2900	
Soil adherence	ug/cm^2	70	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.00011	
Soil Ingestion	kg/day	50	100
Soil Ingestion, pica	kg/day		200
Ingestion constant	(ug/dl)/(ug/day)	0.04	0.16
Bioavailability	unitless	0.44	
Breathing rate	m^3/day	20	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.08	0.192
Water Ingestion	l/day	1.4	0.4
Food ingestion	kg/day	1.9	1.1
Lead in market basket	ug/kg	3.1	
Lead in produce	ug/kg	75.6	

PATHWAYS

ADULTS

Pathway	Residential			Occupational		
	Pathway contribution			Pathway contribution		
	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	4.2E-5	0.01	1%	1.5E-5	0.00	0%
Soil Ingestion	8.8E-4	0.15	12%	6.3E-4	0.11	9%
Inhalation1		0.05	4%		0.03	3%
Inhalation	2.5E-6	0.00	0%	1.8E-6	0.00	0%
Water Ingestion		0.84	66%		0.84	69%
Food Ingestion1		0.23	18%		0.23	19%
Food Ingestion	0.0E+0	0.00	0%			0%

CHILDREN

Pathway	typical			with pica		
	Pathway contribution			Pathway contribution		
	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	6.1E-5	0.01	0%		0.01	0%
Soil Ingestion	7.0E-3	1.18	43%	1.4E-2	2.37	60%
Inhalation1	1.5E-6	0.00	0%		0.00	0%
Inhalation		0.04	1%		0.04	1%
Water Ingestion		0.96	35%		0.96	25%
Food Ingestion, child		0.54	20%		0.54	14%
Food Ingestion	0.0E+0	0.00	0%		0.00	0%

March 4, 2014

Mr. Peter Changala
Irvine Community Development Company
550 Newport Center Drive
Newport Beach, California 92660

RE: Summary Report of Soil Sampling
Former Orange County Shooting and Training Center Pistol and Rifle Ranges
Area Q, North of Jeffrey Road, South of 241 Toll Road
Irvine, California

Dear Mr. Changala:

Advanced Environmental Concepts, Inc. (AEC) is pleased to present this summary report of soil sampling conducted within the former Orange County Shooting and Training Center (OCSTC) Pistol and Rifle Ranges, Irvine, California (Figure 1). This field work was conducted by AEC during May 1-2, 2013.

1.0 BACKGROUND

1.1 Orange County Shooting And Training Center Background

The OCSTC leased the subject property from the Irvine Community Development Company (ICDC) and operated shooting ranges at the Hicks Canyon location up until its closure in 1995. The facility was divided into three primary ranges; a Rifle Range within West Hicks Canyon, a Skeet Range within East Hicks Canyon and Pistol Range immediately south of the former Skeet Range.

OCSTC vacated the site in 1995 and portions of the former shooting ranges have subsequently been leased to other tenants. The former rifle range is now occupied by Griffith Construction and SoCal Sandbags. Griffith Construction operates a concrete crushing and aggregate yard and SoCal Sandbags uses the site as a storage and staging area for erosion control and SWPPP supplies. Significant grading has occurred in the area of the present day tenants, however the surrounding hills remain largely undeveloped with the exception of the Eastern Transportation Corridor (241 Toll Road) having been constructed approximately 1,000-feet north of the former rifle range.

The area of the former Pistol Range is now occupied by Irvine Valencia Growers (IVG). The former containment berms have been spread to form a flat pad on which the IVG maintenance yard and buildings are located. The adjacent hills have remained undeveloped with the exception of the Eastern Transportation Corridor (241 Toll Road) having been constructed approximately 1,000-feet southeast of the former Pistol Range.

The area of the former Skeet Range and portions of the former pistol range have previously been investigated by AEC.

220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305 661/395-1646 FAX 661/395-1616

On March 7-8, 1996, fifty locations were sampled at depths of 0-1.5 feet at the prior skeet range and analyzed for Total Lead (TTLC). Analytical results indicated that lead concentrations of up to 64,900 mg/kg (ppm) were encountered onsite. This exceeded the total threshold limit concentration of 1,000 mg/kg and the decision was made to excavate the impacted soil. From March 25 to April 19, 1996, approximately 1,240 cubic yards of soil was excavated and stockpiled pending remediation and/or disposal at a proper off site facility. Initial removals were made to a depth of 8-inches however; confirmation sampling required that 7 locations be excavated to a depth of 12-inches bgs.

AEC returned to the site in May 2000 to load out the lead-impacted soil that was stockpiled during the prior site remediation in March of 1996. Upon AECs review of the site it became apparent that the original stockpile had been moved to the center of the recently created Nakae Yard and had been mixed with misc. construction debris. In June of 2000 AEC separated the soil from the construction debris and hauled approximately 237.75 tons of lead impacted soil to the US Ecology's waste facility in Beatty, Nevada. It is postulated that an unknown amount of lead-impacted fill may have been used as fill material for the Eastern Transportation Corridor construction and/or used as fill for the Nakae landscaping yard.

On February 21, 2002 AEC sampled 13 locations within the Nakae landscaping yard in order to evaluate if lead impacted soil remains onsite. Three locations exceeded the STLC threshold of 5mg/L as directed by Luis Lodrigueza of the OCHCA. The three locations were excavated and sampled to depths of approximately 5 feet bgs in order to identify the extent of the lead impacted soils. AEC observed the removal of approximately 207 tons of lead impacted soil from the site. The impacted soil was disposed of at the US Ecology's waste facility in Beatty, Nevada. A request for final closure for the skeet range dated October 2, 2002 was submitted to OCHCA.

On February 11, 2003, AEC collected samples from three soil mounds that acted as the shooting corridor and down-range impact zone for the former pistol range located immediately south of the former skeet range. The samples were analyzed for Total Lead. Results indicated that the down-range impact berm had lead concentrations of up to 40,400 mg/kg which exceeds the total threshold limit concentration of 1,000 mg/kg. Analytical results for the two soil berms acting as the shooting corridor were 10 and 19.6 mg/kg for Total Lead. AEC recommended that 2-feet of soil be removed from the face of the down-range impact berm and stockpiled onsite for disposal. Subsequent to removals AEC returned to the site on March 26, 2003 and collected 8 confirmation samples along the berm for additional analysis. Lead concentrations ranged from 21.5 to 168 mg/kg which is below the total threshold limit concentration of 1,000 mg/kg. Two locations however did exhibit lead concentrations that were near or above (142 and 168 mg/kg) the current preliminary remediation goal (PRG) for residential properties of 150 mg/kg. AEC performed a risk analysis using the Leadsheet 7 methodology which is approved by the Environmental Protection Agency (EPA) and Department of Toxic Substance Control (DTSC). This analysis found that based on the maximum lead concentration of 168 mg/kg, the 99th percentile of a child contacting Blood Pb is 8.2 micrograms per decaliter (ug/dl) which does not exceed the allowable concentration of 10 ug/dl. Base on this analysis no further action was deemed necessary.

2.0 PHYSIOGRAPHIC SETTING

The following sections summarize the project site features and conditions along with regional and local geological characteristics.

2.1 Site Description

The former OCSTC is located at the northern termination of Jeffrey Road within Hicks Canyon, north of the Bee Canyon Access Road. The surrounding area is largely undeveloped with scattered agricultural fields and open space. The area of the former OCSTC is currently occupied by agricultural and construction maintenance and storage yards as well as field offices. The land is currently owned by ICDC and is leased to SoCal Sandbags, Griffith Construction and IVG. Significant grading has occurred subsequent to the OCSTC closure to form flat pads for the current lease areas.

2.2 Regional Geology

The property is located in the Peninsular Range geomorphic province of Southern California, within the foothills of the Santa Ana Mountains, immediately north of the Tustin Plain. The Santa Ana Mountains are formed by Tertiary-aged sedimentary rocks overlying crystalline bedrock of the Peninsular Range Batholith. A majority of the subject site lies within the Hicks Canyon Wash, an ephemeral drainage which is underlain by Quaternary aged alluvium and slope wash material. Bedrock of the early-Miocene aged Vaqueros and Sespe formations form the foothills of the Santa Ana Mountains and consist of shallow marine sedimentary deposits. Bedrock in the vicinity of the subject site generally dips to the south at 20-25 degrees.

3.0 RECENT SUBSURFACE INVESTIGATION

AEC conducted soil sampling on May 1-2, 2013 within the former OCSTC pistol and rifle ranges. The area of the former Pistol Range is now occupied by IVG, the farming entity of The Irvine Company that manages the avocado orchards and tenant row crop operations. The former projectile containment berms were assumed to have been knocked down to form a flat pad on which the IVG buildings and storage yard are located. The adjacent hills have remained undeveloped with the exception of the Eastern Transportation Corridor (241 Toll Road) having been constructed approximately 1,000-feet southeast of the former Pistol Range. Portions of the former Rifle Range are now occupied by Griffith Construction and SoCal Sandbags and significant grading has occurred within the respective lease-occupied areas. The surrounding hills remain largely undeveloped with the exception of the Eastern Transportation Corridor (241 Toll Road) having been constructed approximately 1,000-feet north of the former Rifle Range.

AEC staff collected 32 soil samples from 16 locations at the former Rifle Range (RR-1 through RR-16) and 50 soil samples from 25 locations at the former Pistol Range (PR-1 through PR-25) on a pre-determined grid basis (Figure 2). The soil samples were collected at depths of 0.5' and 2.0' below ground surface (bgs) and analyzed for Total Lead by EPA Method 6010B.

3.1 Former OCSTC Pistol and Rifle Range Soil Sampling

On May 1-2, 2013 twenty-five hand-auger borings were advanced within the former Pistol Range and sixteen additional hand-auger borings were advanced within the former Rifle Range. Soil samples were obtained from hand-auger borings at depths of 0.5' and 2.0' bgs, placed in pre-cleaned glass jars, sealed, placed in an ice chest, and recorded on a chain-of-custody for delivery to Test America Laboratories, Inc. for analysis.

3.1.1 Soil Analytical Results – Pistol Range

Soil samples collected during this project were recorded on a chain-of-custody document and submitted to Test America Laboratories, Inc., a California-certified laboratory, in Irvine, California. The soil samples were analyzed for Total Lead by EPA Method 6010B. Analytical results are tabulated and included in Appendix B, Table 2.

A significant portion of the former Pistol Range is an area now developed with the IVG maintenance and farming yard and consists of two large metal-constructed buildings for storage of farm equipment and materials, and as the maintenance shop. The surface of the yard slopes from northeast to southwest and has been covered with a layer of asphalt tailings and road base with a thickness of approximately 5-inches. AEC used a digging bar to break through the road base and commenced sampling in what appeared to be native soil at approximately 0.5-feet bgs. Samples collected in this area of the Pistol Range are described as PR-1 through PR-12. Soil samples PR-13 through PR-25 were collected along the west flank of an adjoining hillside in which there is an approximate 100-foot change in vertical elevation. The large volume of skeet pigeons observed by AEC on surface soils of this hillside suggests that shotgun activity was also used in this area and not solely confined to the skeet range to the north.

The soil samples (PR-1 through PR-8) collected from the drop-zone area that was deemed primarily used as the Pistol Range exhibited consistent elevated detections of lead at 2-feet bgs in the west half of the site. However, the soil samples collected at 0.5-feet bgs from this area indicated acceptable non-actionable concentrations when correlated with the various regulatory comparative standards. The soil samples (PR-9 through PR-12) collected from the east half of the site exhibited acceptable lead concentrations at both 0.5-feet and 2-feet bgs.

The soil samples collected at 0.5-feet bgs from the western flank of the hillside consistently exhibited higher concentrations than the vertical definition soil samples collected at 2-feet bgs. Also, the higher concentrations were detected along the southern and eastern boundaries.

3.1.2 Soil Analytical Results – Rifle Range

Soil samples collected during this project were recorded on a chain-of-custody document and submitted to Test America Laboratories, Inc., a California-certified laboratory, in Irvine, California. The soil samples were analyzed for Total Lead by EPA Method 6010B. Analytical results are tabulated and included in Appendix B, Table 1.

The lower (southern) portion of the former rifle range is now developed with the SoCal Sandbag and Griffith Brothers facilities. The surrounding area to the north, east, and west consists of steeply sloping flanks of the surrounding hillside. For the most part the shallow soil samples collected at 0.5-feet bgs in the drop-zone exhibited the higher concentrations and the samples collected at 2-feet generally exhibited the lower concentrations. Rifle projectiles were common in the firing line described along the path of sample points RR-2, RR-4, RR-6, and RR-9 and another elevated sample point was described along the hillside where RR-10 was collected.

4.0 CONCLUSIONS & RECOMMENDATIONS

AEC assumed that the higher concentrations of lead would be consistently identified in the surface soil samples and also in soil samples collected from the areas of topographic lows where surface water would drain and transport the bullets. Although there were plenty of examples where the lead exhibited higher concentrations in the surface samples, there were also many examples where the lead concentrations were below comparative regulatory standards in surface soil; however, elevated concentrations in the 2-foot bgs soil samples. In addition, since AEC was not sampling the area of the skeet range (smaller size shot), it appears that the mass of the larger bullets remain in their “drop-zone” and are not easily transported in surface water runoff.

The lead concentrations identified through laboratory analysis were compared to the residential and commercial standards of the November 2011 EPA Region IX Regional Screening Levels (RSLs); the January 2005 California Human Health Screening Levels (CHHSLs); and the November 2007 Bay Area RWQCB Shallow Soil Environmental Screening Levels (ESLs). Following review of the lead concentrations to the various regulatory comparative standards, AEC recommends that additional soil sampling be performed in order to further delineate the vertical and lateral extent of lead impacted soils identified at the subject site. AEC understands that the areas sampled and analyzed are slated to remain "open space" and will not be either residentially or commercially developed, thereby, negating the opportunity for dermal contact or ingestion by humans. AEC also anticipates the need for deed restriction to the property to ensure that the soil will not be disturbed through a grading process. Therefore, any additional sampling performed at the subject site should be focused on defining the vertical and lateral extent of the lead impacted soil to assist in future land use designation and restrictions with the assumption that future remediation of the site will not be required based on proposed land use.

5.0 CLOSING

Advanced Environmental Concepts, Inc. appreciates the opportunity to be of service to Irvine Community Development Company on this project. Should you have any questions or require additional information regarding this report, please do not hesitate to contact our office at (661) 395-1646.

Respectfully submitted by:

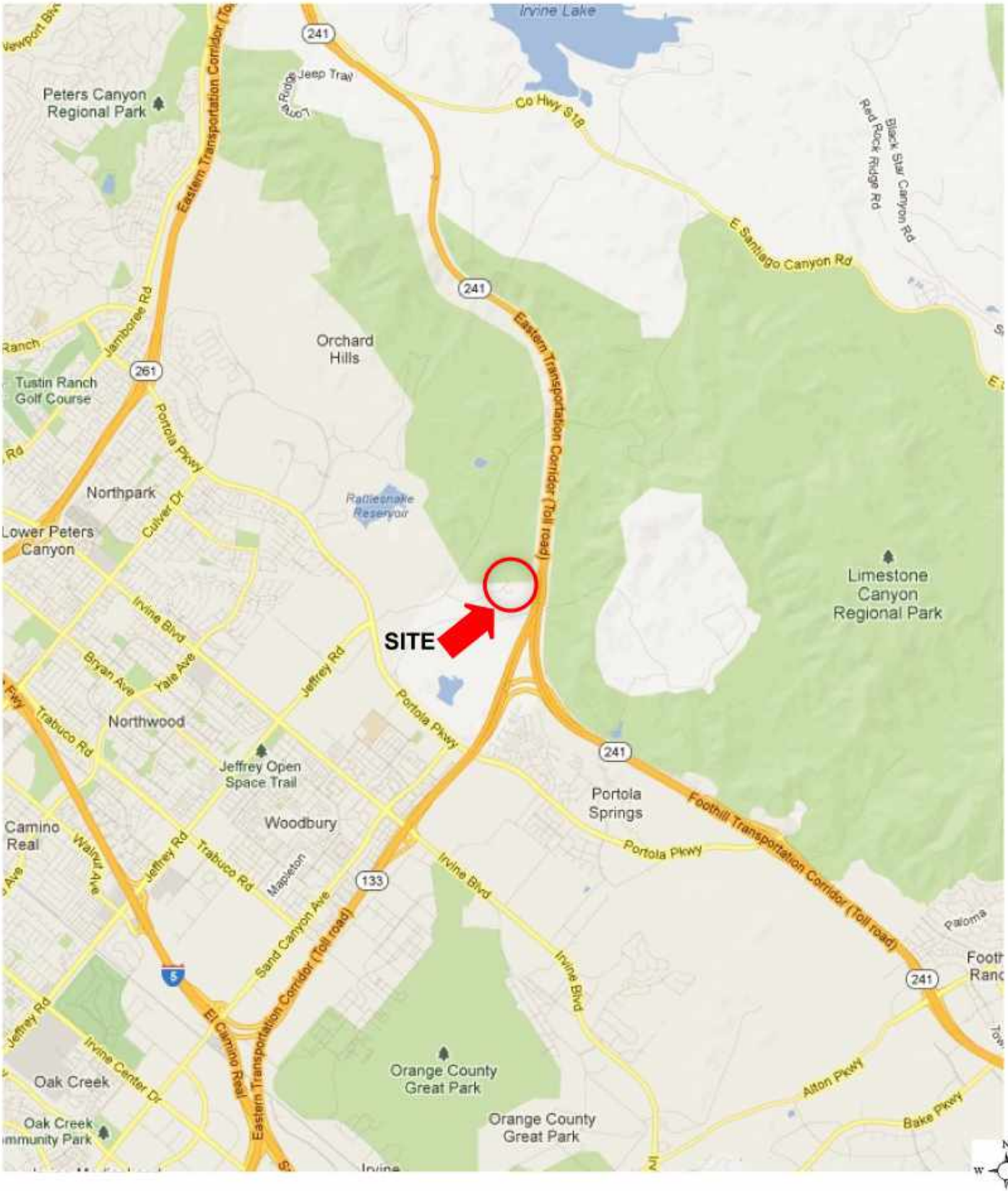
Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Principal Geologist



Appendix A

FIGURES



ADVANCED ENVIRONMENTAL CONCEPTS INC

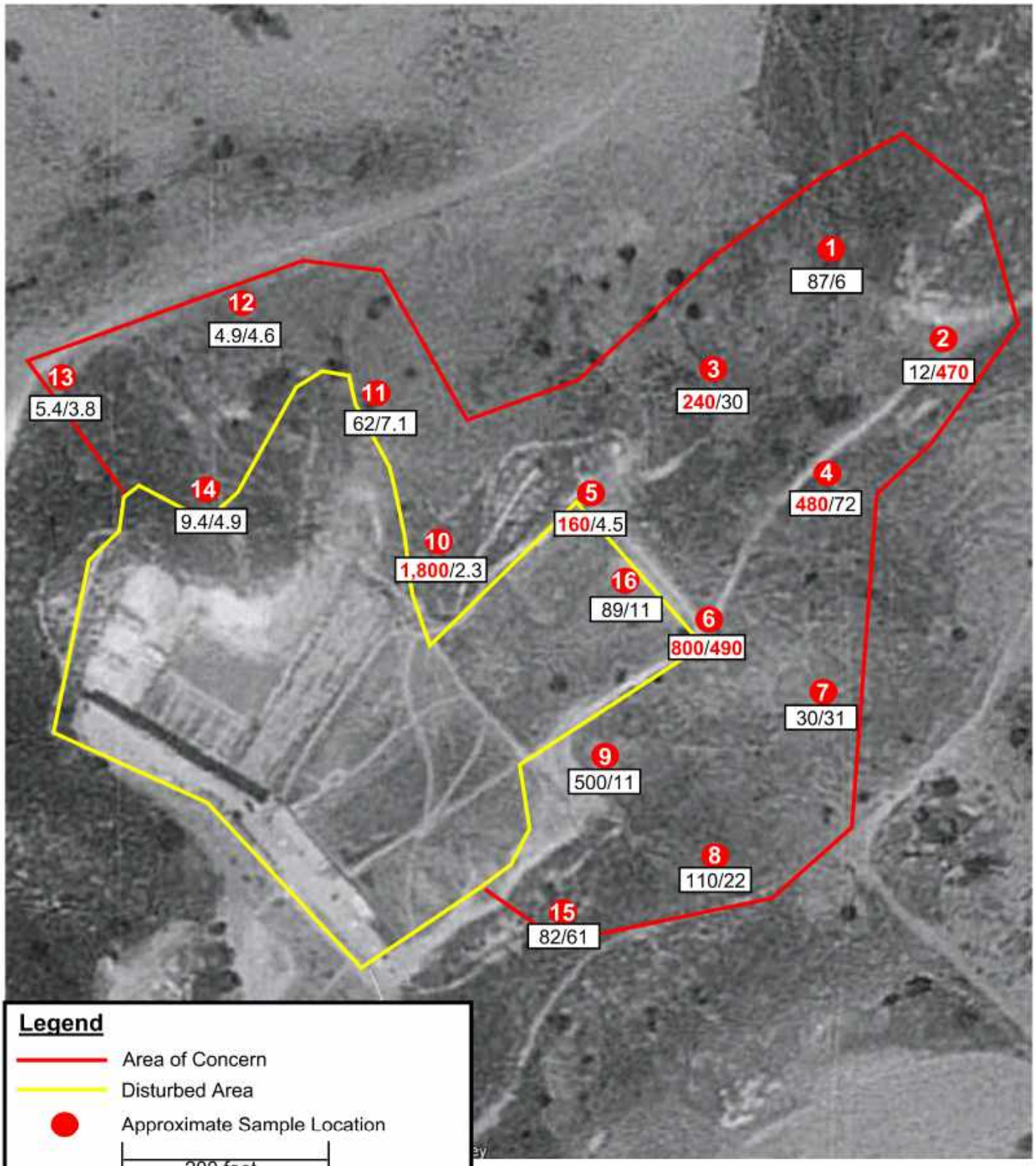
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Site Location Map

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

1



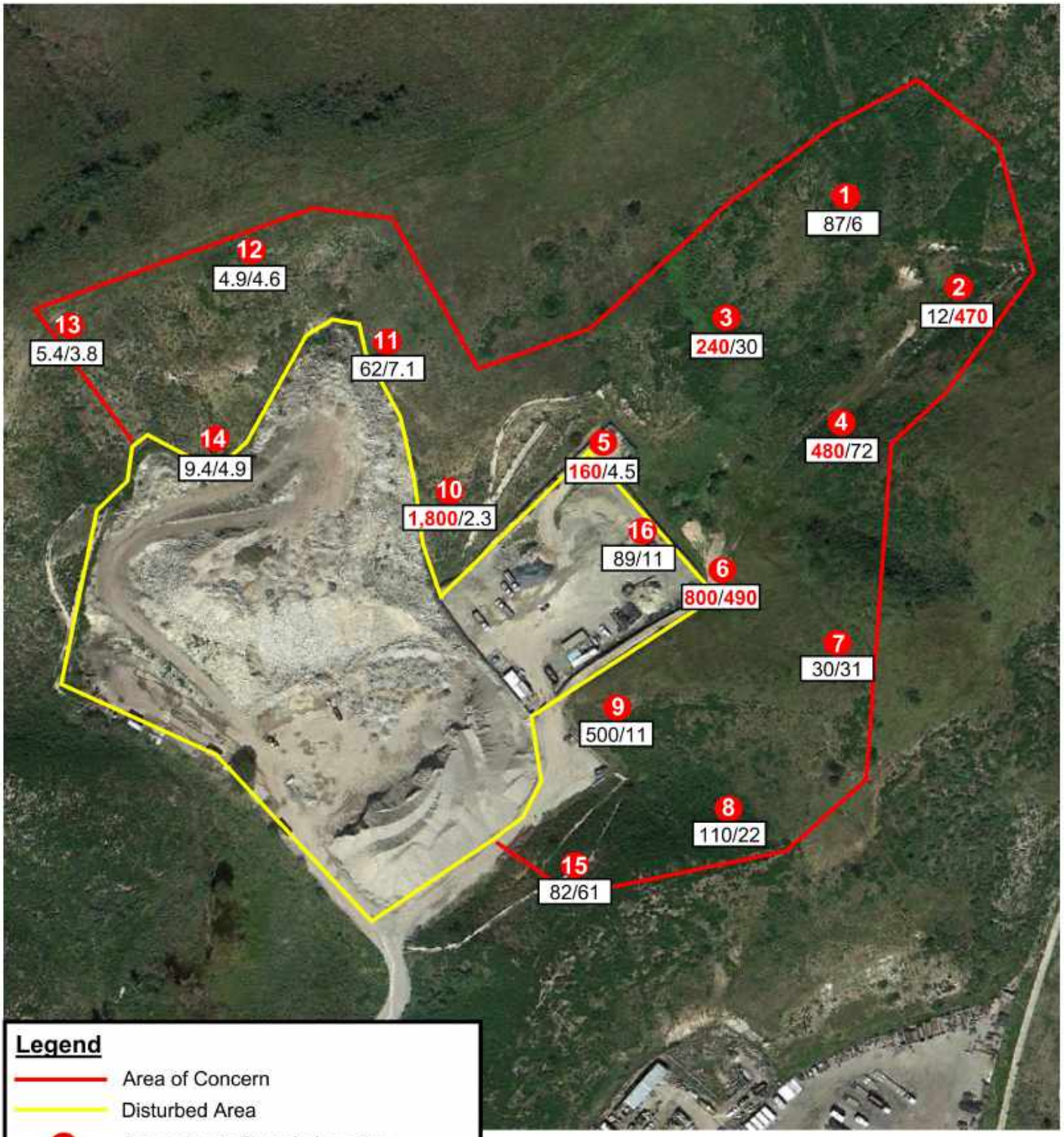
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Rifle Range 1994 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

2



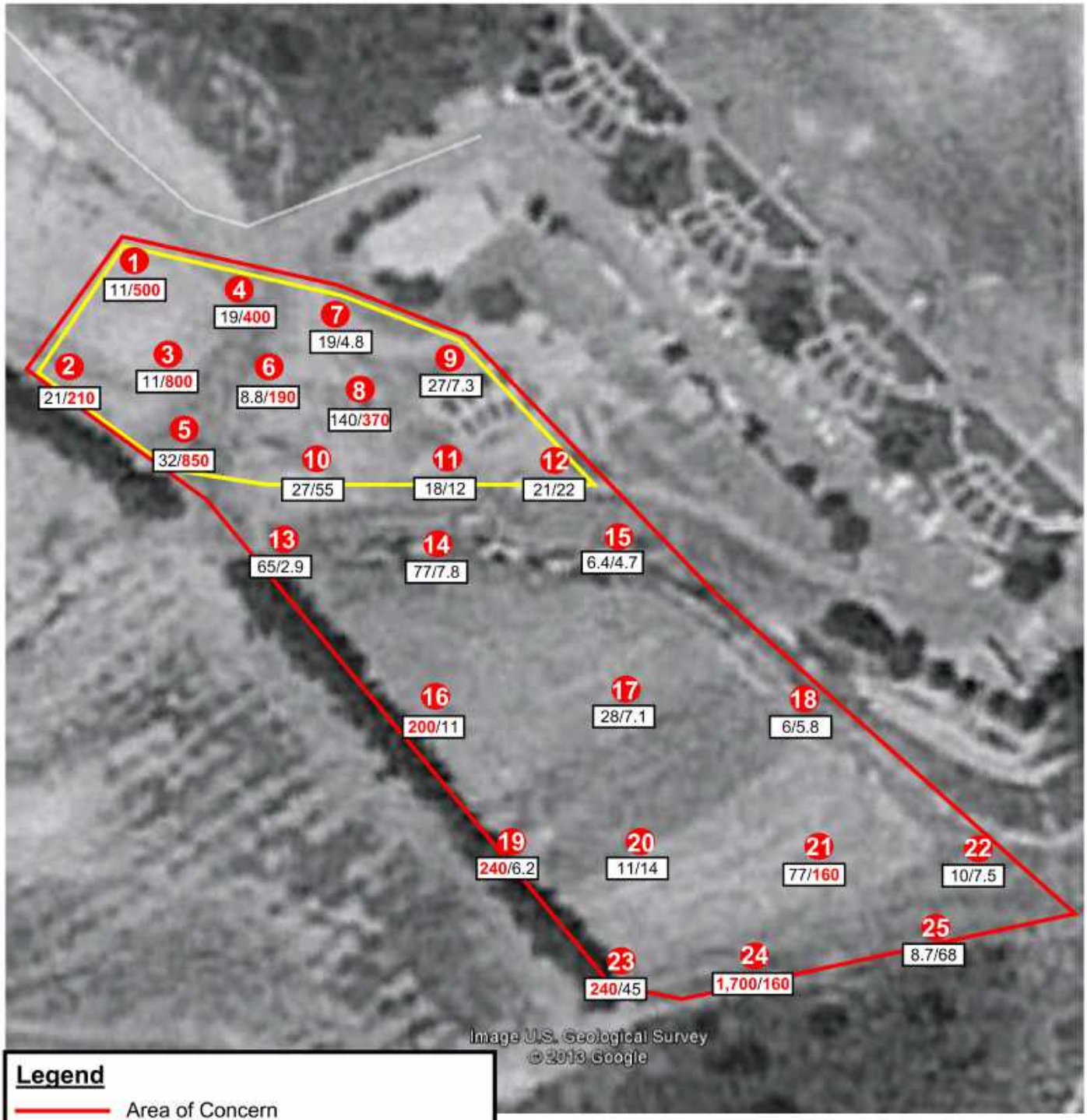
ADVANCED ENVIRONMENTAL CONCEPTS INC
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Rifle Range 2011 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

3



Legend

- Area of Concern
- Disturbed Area
- Approximate Sample Location

100 feet

8.7/68 = 0.5-ft/2-ft (mg/Kg)

77/160 **Red Bold** = Exceeds Residential CHHSL

N
W E
S

ADVANCED ENVIRONMENTAL CONCEPTS INC

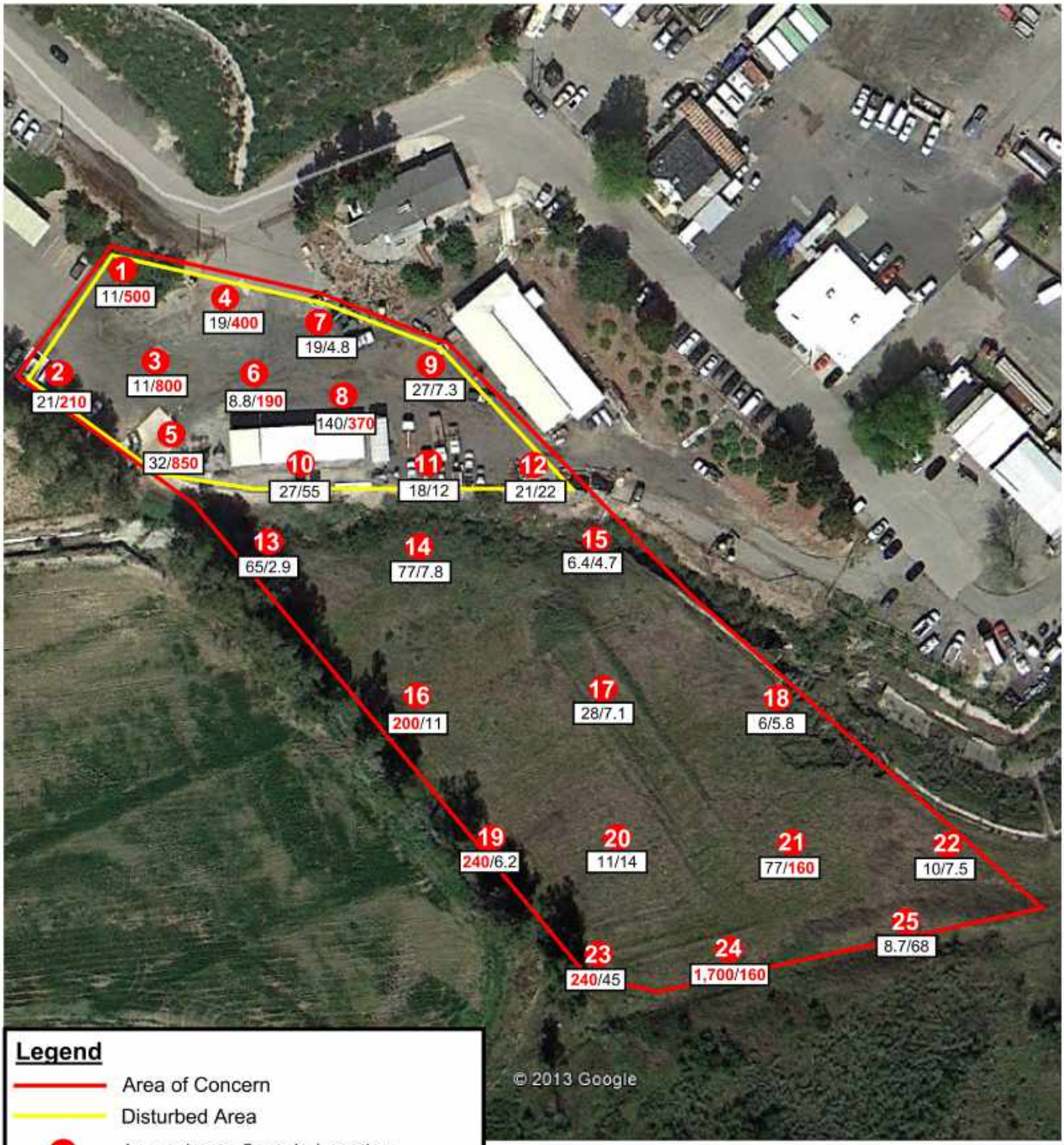
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Pistol Range 1994 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

4



Legend

- Area of Concern
- Disturbed Area
- Approximate Sample Location

100 feet

8.7/68 = 0.5-ft/2-ft (mg/Kg)

77/160 **Red Bold** = Exceeds Residential CHHSL

N W E S

ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Pistol Range 2011 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

5

Appendix B

TABLES

Table 1
Orange County Shooting and Training Center
Rifle Range

SAMPLE ID			Residential RSLs* (mg/Kg)	Industrial RSLs (mg/Kg)	Residential CHHSLs** mg/(Kg)	Industrial CHHSLs (mg/Kg)	Residential ESLs*** (mg/Kg)	Industrial ESLs (mg/Kg)	RR-1-0-0.5'	RR-1-2.0'	RR-2-0-0.5'	RR-2-2-0'	RR-3-0-0.5'	RR-3-2-0	RR-4-0-0.5'	RR-4-2-0'	RR-5-0-0.5'	RR-5-2-0'	RR-6-0-0.5'	RR-6-2-0'	RR-7-0-0.5'	RR-7-2-0'	RR-8-0-0.5'	RR-8-2-0.5'	RR-9-0-0.5'	RR-9-2-0'	RR-10-0-0.5'	RR-10-2-0'	RR-11-0-0.5'	RR-11-2-0'	RR-12-0-0.5'	RR-12-2-0'	RR-13-0-0.5'	RR-13-2-0'	RR-14-0-0.5'	RR-14-2-0'	RR-15-0-0.5'	RR-15-2-0'	RR-16-0-0.5'	RR-16-2-0'
METHOD	DATE	DETECTION LIMIT																																				
6010B Metals (ICP) mg/Kg																																						
Lead	5/1/2013	0.49	400	800	150	3,500	200	750	87	6	12	470	240	30	480	72	180	4.5	800	490	30	31	110	22	500	11	1800	2.3	62	7.1	4.9	4.6	5.4	3.8	9.4	4.9	82	61	89	11

Notes:
* Region IX Screening Levels (November 2011)
** California Human Health Screening Levels for Soil (January 2005)
*** San Francisco Bay Environmental Screening Levels (ESLs) for Shallow Soils (November 2007)
~ RSL/CHHSL for Chromium III

Exceeds Residential CHHSLs

Table 2
Orange County Shooting and Training Center
Pistol Range

SAMPLE ID			Residential RSLs* (mg/Kg)	Industrial RSLs (mg/Kg)	Residential CHHSLs** mg/Kg)	Industrial CHHSLs (mg/Kg)	Residential ESLs*** (mg/Kg)	Industrial ESLs (mg/Kg)	PR-1-0.5'	PR-1-2.0'	PR-2-0.5'	PR-2-2.0'	PR-3-0.5'	PR-3-2.0	PR-4-0.5'	PR-4-2.0'	PR-5-0.5'	PR-5-2.0'	PR-6-0.5'	PR-6-2.0'	PR-7-0.5'	PR-7-2.0'	PR-8-0.5'	PR-8-2.0'	PR-9-0.5'	PR-9-2.0'	PR-10-0.5'	PR-10-2.0'	PR-11-0.5'	PR-11-2.0'	PR-12-0.5'	PR-12-2.0'	PR-13-0.5'	PR-13-2.0'	PR-14-0.5'	PR-14-2.0'
METHOD	DATE	DETECTION LIMIT																																
6010B Metals (ICP) mg/Kg																																		
Lead	5/1/2013	0.49	400	800	150	3,500	200	750	11	500	21	210	11	800	19	400	32	850	8.8	190	19	4.8	140	370	27	7.3	27	55	18	12	21	22	65	2.9	77	7.8

SAMPLE ID			Residential RSLs* (mg/Kg)	Industrial RSLs (mg/Kg)	Residential CHHSLs** mg/Kg)	Industrial CHHSLs (mg/Kg)	Residential ESLs*** (mg/Kg)	Industrial ESLs (mg/Kg)	PR-15-0.5'	PR-15-2.0'	PR-16-0.5'	PR-16-2.0'	PR-23-0.5'	PR-23-2.0'	PR-24-0.5'	PR-24-2.0'	PR-25-0.5'	PR-25-2.0'
METHOD	DATE	DETECTION LIMIT																
6010B Metals (ICP) mg/Kg																		
Lead	5/1/2013	0.49	400	800	150	3,500	200	750	6.4	4.7	200	11	240	45	1700	160	8.7	68

SAMPLE ID			Residential RSLs* (mg/Kg)	Industrial RSLs (mg/Kg)	Residential CHHSLs** mg/Kg)	Industrial CHHSLs (mg/Kg)	Residential ESLs*** (mg/Kg)	Industrial ESLs (mg/Kg)	PR-17-0.5	PR-17-2.0'	PR-18-0.5'	PR-18-2.0'	PR-19-0.5'	PR-19-2.0'	PR-20-0.5'	PR-20-2.0'	PR-21-0.5'	PR-21-2.0'	PR-22-0.5'	PR-22-2.0'
METHOD	DATE	DETECTION LIMIT																		
6010B Metals (ICP) mg/Kg																				
Lead	5/2/2013	0.49	400	800	150	3,500	200	750	28	7.1	6	5.8	240	6.2	11	14	77	160	10	7.5

Notes:
* Region IX Screening Levels (November 2011)
** California Human Health Screening Levels for Soil (January 2005)
*** San Francisco Bay Environmental Screening Levels (ESLs) for Shallow Soils (November 2007)
~ RSL/CHHSL for Chromium III

Exceeds Residential CHHSLs

Appendix C

ANALYTICAL RESULTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-45333-1
Client Project/Site: OCSTC

For:
Advanced Environmental Concepts Inc
220 E. Truxtun Ave.
Bakersfield, California 93305

Attn: Jonathan Buck



Authorized for release by:
5/9/2013 12:27:46 PM

Lena Davidkova, Project Manager I
lena.davidkova@testamericainc.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Sample Results 15
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Certification Summary 20
Chain of Custody 21
Receipt Checklists 23

Sample Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45333-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-45333-1	PR-1-0.5'	Solid	05/01/13 12:58	05/02/13 11:20
440-45333-2	PR-1-2.0'	Solid	05/01/13 12:58	05/02/13 11:20
440-45333-3	PR-2-0.5'	Solid	05/01/13 13:05	05/02/13 11:20
440-45333-4	PR-2-2.0'	Solid	05/01/13 13:05	05/02/13 11:20
440-45333-5	PR-3-0.5'	Solid	05/01/13 13:10	05/02/13 11:20
440-45333-6	PR-3-2.0'	Solid	05/01/13 13:10	05/02/13 11:20
440-45333-7	PR-4-0.5'	Solid	05/01/13 13:18	05/02/13 11:20
440-45333-8	PR-4-2.0'	Solid	05/01/13 13:18	05/02/13 11:20
440-45333-9	PR-5-0.5'	Solid	05/01/13 13:24	05/02/13 11:20
440-45333-10	PR-5-2.0'	Solid	05/01/13 13:24	05/02/13 11:20
440-45333-11	PR-6-0.5'	Solid	05/01/13 13:35	05/02/13 11:20
440-45333-12	PR-6-2.0'	Solid	05/01/13 13:35	05/02/13 11:20
440-45333-13	PR-7-0.5'	Solid	05/01/13 13:42	05/02/13 11:20
440-45333-14	PR-7-2.0'	Solid	05/01/13 13:42	05/02/13 11:20
440-45333-15	PR-8-0.5'	Solid	05/01/13 13:46	05/02/13 11:20
440-45333-16	PR-8-2.0'	Solid	05/01/13 13:46	05/02/13 11:20
440-45333-17	PR-9-0.5'	Solid	05/01/13 14:02	05/02/13 11:20
440-45333-18	PR-9-2.0'	Solid	05/01/13 14:02	05/02/13 11:20
440-45333-19	PR-10-0.5'	Solid	05/01/13 13:52	05/02/13 11:20
440-45333-20	PR-10-2.0'	Solid	05/01/13 13:52	05/02/13 11:20
440-45333-21	PR-11-0.5'	Solid	05/01/13 14:14	05/02/13 11:20
440-45333-22	PR-11-2.0'	Solid	05/01/13 14:14	05/02/13 11:20
440-45333-23	PR-12-0.5'	Solid	05/01/13 14:25	05/02/13 11:20
440-45333-24	PR-12-2.0'	Solid	05/01/13 14:25	05/02/13 11:20
440-45333-25	PR-13-0.5'	Solid	05/01/13 14:41	05/02/13 11:20
440-45333-26	PR-13-2.0'	Solid	05/01/13 14:41	05/02/13 11:20
440-45333-27	PR-14-0.5'	Solid	05/01/13 14:51	05/02/13 11:20
440-45333-28	PR-14-2.0'	Solid	05/01/13 14:51	05/02/13 11:20

Job ID: 440-45333-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-45333-1

Comments
No additional comments.

Receipt
The samples were received on 5/2/2013 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

Metals
Method(s) 6010B: The matrix spike (MS) recoveries of Ba for batch 102212 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Client Sample ID: PR-1-0.5' — **Lab Sample ID: 440-45333-1**
Date Collected: 05/01/13 12:58 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 19:40	5

Client Sample ID: PR-1-2.0' — **Lab Sample ID: 440-45333-2**
Date Collected: 05/01/13 12:58 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	500		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:06	5

Client Sample ID: PR-2-0.5' — **Lab Sample ID: 440-45333-3**
Date Collected: 05/01/13 13:05 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:07	5

Client Sample ID: PR-2-2.0' — **Lab Sample ID: 440-45333-4**
Date Collected: 05/01/13 13:05 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	210		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:09	5

Client Sample ID: PR-3-0.5' — **Lab Sample ID: 440-45333-5**
Date Collected: 05/01/13 13:10 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:11	5

Client Sample ID: PR-3-2.0' — **Lab Sample ID: 440-45333-6**
Date Collected: 05/01/13 13:10 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	800		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:13	5

Client Sample ID: PR-4-0.5' — **Lab Sample ID: 440-45333-7**
Date Collected: 05/01/13 13:18 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:15	5

Client Sample ID: PR-4-2.0' — **Lab Sample ID: 440-45333-8**
Date Collected: 05/01/13 13:18 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	400		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:16	5

Client Sample ID: PR-5-0.5' — **Lab Sample ID: 440-45333-9**
Date Collected: 05/01/13 13:24 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:18	5

Client Sample ID: PR-5-2.0' — **Lab Sample ID: 440-45333-10**
Date Collected: 05/01/13 13:24 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	850		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:30	5

Client Sample ID: PR-6-0.5' — **Lab Sample ID: 440-45333-11**
Date Collected: 05/01/13 13:35 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.8		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:32	5

Client Sample ID: PR-6-2.0' — **Lab Sample ID: 440-45333-12**
Date Collected: 05/01/13 13:35 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:33	5

Client Sample ID: PR-7-0.5' — **Lab Sample ID: 440-45333-13**
Date Collected: 05/01/13 13:42 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:35	5

Client Sample ID: PR-7-2.0' — **Lab Sample ID: 440-45333-14**
Date Collected: 05/01/13 13:42 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.8		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:37	5

Client Sample ID: PR-8-0.5' — **Lab Sample ID: 440-45333-15**
Date Collected: 05/01/13 13:46 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:38	5

Client Sample ID: PR-8-2.0' — **Lab Sample ID: 440-45333-16**
Date Collected: 05/01/13 13:46 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	370		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:39	5

Client Sample ID: PR-9-0.5' — **Lab Sample ID: 440-45333-17**
Date Collected: 05/01/13 14:02 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:41	5

Client Sample ID: PR-9-2.0' — **Lab Sample ID: 440-45333-18**
Date Collected: 05/01/13 14:02 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.3		2.0	0.49	mg/Kg		05/03/13 15:27	05/06/13 20:43	5

Client Sample ID: PR-10-0.5' — **Lab Sample ID: 440-45333-19**
Date Collected: 05/01/13 13:52 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:45	5

Client Sample ID: PR-10-2.0' — **Lab Sample ID: 440-45333-20**
Date Collected: 05/01/13 13:52 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	55		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 20:52	5

Client Sample ID: PR-11-0.5' — **Lab Sample ID: 440-45333-21**
Date Collected: 05/01/13 14:14 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 20:59	5

Client Sample ID: PR-11-2.0' — **Lab Sample ID: 440-45333-22**
Date Collected: 05/01/13 14:14 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:03	5

Client Sample ID: PR-12-0.5' — **Lab Sample ID: 440-45333-23**
Date Collected: 05/01/13 14:25 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:04	5

Client Sample ID: PR-12-2.0' — **Lab Sample ID: 440-45333-24**
Date Collected: 05/01/13 14:25 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:06	5

Client Sample ID: PR-13-0.5' — **Lab Sample ID: 440-45333-25**
Date Collected: 05/01/13 14:41 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	65		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:08	5

Client Sample ID: PR-13-2.0' — **Lab Sample ID: 440-45333-26**
Date Collected: 05/01/13 14:41 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.9		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:14	5

Client Sample ID: PR-14-0.5' — **Lab Sample ID: 440-45333-27**
Date Collected: 05/01/13 14:51 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:16	5

Client Sample ID: PR-14-2.0' — **Lab Sample ID: 440-45333-28**
Date Collected: 05/01/13 14:51 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.8		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:18	5

Method Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45333-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: PR-1-0.5'

Lab Sample ID: 440-45333-1

Date Collected: 05/01/13 12:58

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 19:40	VS	TAL IRV

Client Sample ID: PR-1-2.0'

Lab Sample ID: 440-45333-2

Date Collected: 05/01/13 12:58

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:06	VS	TAL IRV

Client Sample ID: PR-2-0.5'

Lab Sample ID: 440-45333-3

Date Collected: 05/01/13 13:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:07	VS	TAL IRV

Client Sample ID: PR-2-2.0'

Lab Sample ID: 440-45333-4

Date Collected: 05/01/13 13:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:09	VS	TAL IRV

Client Sample ID: PR-3-0.5'

Lab Sample ID: 440-45333-5

Date Collected: 05/01/13 13:10

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:11	VS	TAL IRV

Client Sample ID: PR-3-2.0'

Lab Sample ID: 440-45333-6

Date Collected: 05/01/13 13:10

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:13	VS	TAL IRV

Lab Chronicle

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45333-1

Client Sample ID: PR-4-0.5'
Date Collected: 05/01/13 13:18
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:15	VS	TAL IRV

Client Sample ID: PR-4-2.0'
Date Collected: 05/01/13 13:18
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:16	VS	TAL IRV

Client Sample ID: PR-5-0.5'
Date Collected: 05/01/13 13:24
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:18	VS	TAL IRV

Client Sample ID: PR-5-2.0'
Date Collected: 05/01/13 13:24
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:30	VS	TAL IRV

Client Sample ID: PR-6-0.5'
Date Collected: 05/01/13 13:35
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:32	VS	TAL IRV

Client Sample ID: PR-6-2.0'
Date Collected: 05/01/13 13:35
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45333-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:33	VS	TAL IRV

Client Sample ID: PR-7-0.5'

Lab Sample ID: 440-45333-13

Date Collected: 05/01/13 13:42

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:35	VS	TAL IRV

Client Sample ID: PR-7-2.0'

Lab Sample ID: 440-45333-14

Date Collected: 05/01/13 13:42

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:37	VS	TAL IRV

Client Sample ID: PR-8-0.5'

Lab Sample ID: 440-45333-15

Date Collected: 05/01/13 13:46

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:38	VS	TAL IRV

Client Sample ID: PR-8-2.0'

Lab Sample ID: 440-45333-16

Date Collected: 05/01/13 13:46

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:39	VS	TAL IRV

Client Sample ID: PR-9-0.5'

Lab Sample ID: 440-45333-17

Date Collected: 05/01/13 14:02

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:41	VS	TAL IRV

Client Sample ID: PR-9-2.0'

Lab Sample ID: 440-45333-18

Date Collected: 05/01/13 14:02

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:43	VS	TAL IRV

Client Sample ID: PR-10-0.5' — **Lab Sample ID: 440-45333-19**
Date Collected: 05/01/13 13:52 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:45	VS	TAL IRV

Client Sample ID: PR-10-2.0' — **Lab Sample ID: 440-45333-20**
Date Collected: 05/01/13 13:52 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102212	05/03/13 15:27	DT	TAL IRV
Total/NA	Analysis	6010B		5			102658	05/06/13 20:52	VS	TAL IRV

Client Sample ID: PR-11-0.5' — **Lab Sample ID: 440-45333-21**
Date Collected: 05/01/13 14:14 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 20:59	VS	TAL IRV

Client Sample ID: PR-11-2.0' — **Lab Sample ID: 440-45333-22**
Date Collected: 05/01/13 14:14 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:03	VS	TAL IRV

Client Sample ID: PR-12-0.5' — **Lab Sample ID: 440-45333-23**
Date Collected: 05/01/13 14:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:04	VS	TAL IRV

Client Sample ID: PR-12-2.0' — **Lab Sample ID: 440-45333-24**
Date Collected: 05/01/13 14:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:06	VS	TAL IRV

Lab Chronicle

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45333-1

Client Sample ID: PR-13-0.5'

Lab Sample ID: 440-45333-25

Date Collected: 05/01/13 14:41

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:08	VS	TAL IRV

Client Sample ID: PR-13-2.0'

Lab Sample ID: 440-45333-26

Date Collected: 05/01/13 14:41

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:14	VS	TAL IRV

Client Sample ID: PR-14-0.5'

Lab Sample ID: 440-45333-27

Date Collected: 05/01/13 14:51

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:16	VS	TAL IRV

Client Sample ID: PR-14-2.0'

Lab Sample ID: 440-45333-28

Date Collected: 05/01/13 14:51

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:18	VS	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-102212/1-A ^5
Matrix: Solid
Analysis Batch: 102658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.50	mg/Kg		05/03/13 15:27	05/06/13 19:35	5

Lab Sample ID: LCS 440-102212/2-A ^5
Matrix: Solid
Analysis Batch: 102658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	49.0	45.5		mg/Kg		93	80 - 120

Lab Sample ID: 440-45333-1 MS
Matrix: Solid
Analysis Batch: 102658

Client Sample ID: PR-1-0.5'
Prep Type: Total/NA
Prep Batch: 102212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	11		49.5	52.5		mg/Kg		84	75 - 125

Lab Sample ID: 440-45333-1 MSD
Matrix: Solid
Analysis Batch: 102658

Client Sample ID: PR-1-0.5'
Prep Type: Total/NA
Prep Batch: 102212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	11		49.8	52.0		mg/Kg		83	75 - 125	1	20

Lab Sample ID: MB 440-102216/1-A ^5
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 20:54	5

Lab Sample ID: LCS 440-102216/2-A ^5
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	47.6		mg/Kg		95	80 - 120

Lab Sample ID: 440-45333-21 MS
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: PR-11-0.5'
Prep Type: Total/NA
Prep Batch: 102216

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	18		49.0	69.1		mg/Kg		103	75 - 125

Lab Sample ID: 440-45333-21 MSD
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: PR-11-0.5'
Prep Type: Total/NA
Prep Batch: 102216

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	18		50.0	77.3		mg/Kg		118	75 - 125	11	20

Metals

Prep Batch: 102212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45333-1	PR-1-0.5'	Total/NA	Solid	3050B	
440-45333-1 MS	PR-1-0.5'	Total/NA	Solid	3050B	
440-45333-1 MSD	PR-1-0.5'	Total/NA	Solid	3050B	
440-45333-2	PR-1-2.0'	Total/NA	Solid	3050B	
440-45333-3	PR-2-0.5'	Total/NA	Solid	3050B	
440-45333-4	PR-2-2.0'	Total/NA	Solid	3050B	
440-45333-5	PR-3-0.5'	Total/NA	Solid	3050B	
440-45333-6	PR-3-2.0'	Total/NA	Solid	3050B	
440-45333-7	PR-4-0.5'	Total/NA	Solid	3050B	
440-45333-8	PR-4-2.0'	Total/NA	Solid	3050B	
440-45333-9	PR-5-0.5'	Total/NA	Solid	3050B	
440-45333-10	PR-5-2.0'	Total/NA	Solid	3050B	
440-45333-11	PR-6-0.5'	Total/NA	Solid	3050B	
440-45333-12	PR-6-2.0'	Total/NA	Solid	3050B	
440-45333-13	PR-7-0.5'	Total/NA	Solid	3050B	
440-45333-14	PR-7-2.0'	Total/NA	Solid	3050B	
440-45333-15	PR-8-0.5'	Total/NA	Solid	3050B	
440-45333-16	PR-8-2.0'	Total/NA	Solid	3050B	
440-45333-17	PR-9-0.5'	Total/NA	Solid	3050B	
440-45333-18	PR-9-2.0'	Total/NA	Solid	3050B	
440-45333-19	PR-10-0.5'	Total/NA	Solid	3050B	
440-45333-20	PR-10-2.0'	Total/NA	Solid	3050B	
LCS 440-102212/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102212/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45333-21	PR-11-0.5'	Total/NA	Solid	3050B	
440-45333-21 MS	PR-11-0.5'	Total/NA	Solid	3050B	
440-45333-21 MSD	PR-11-0.5'	Total/NA	Solid	3050B	
440-45333-22	PR-11-2.0'	Total/NA	Solid	3050B	
440-45333-23	PR-12-0.5'	Total/NA	Solid	3050B	
440-45333-24	PR-12-2.0'	Total/NA	Solid	3050B	
440-45333-25	PR-13-0.5'	Total/NA	Solid	3050B	
440-45333-26	PR-13-2.0'	Total/NA	Solid	3050B	
440-45333-27	PR-14-0.5'	Total/NA	Solid	3050B	
440-45333-28	PR-14-2.0'	Total/NA	Solid	3050B	
LCS 440-102216/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102216/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45333-1	PR-1-0.5'	Total/NA	Solid	6010B	102212
440-45333-1 MS	PR-1-0.5'	Total/NA	Solid	6010B	102212
440-45333-1 MSD	PR-1-0.5'	Total/NA	Solid	6010B	102212
440-45333-2	PR-1-2.0'	Total/NA	Solid	6010B	102212
440-45333-3	PR-2-0.5'	Total/NA	Solid	6010B	102212
440-45333-4	PR-2-2.0'	Total/NA	Solid	6010B	102212
440-45333-5	PR-3-0.5'	Total/NA	Solid	6010B	102212
440-45333-6	PR-3-2.0'	Total/NA	Solid	6010B	102212
440-45333-7	PR-4-0.5'	Total/NA	Solid	6010B	102212

Metals (Continued)

Analysis Batch: 102658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45333-8	PR-4-2.0'	Total/NA	Solid	6010B	102212
440-45333-9	PR-5-0.5'	Total/NA	Solid	6010B	102212
440-45333-10	PR-5-2.0'	Total/NA	Solid	6010B	102212
440-45333-11	PR-6-0.5'	Total/NA	Solid	6010B	102212
440-45333-12	PR-6-2.0'	Total/NA	Solid	6010B	102212
440-45333-13	PR-7-0.5'	Total/NA	Solid	6010B	102212
440-45333-14	PR-7-2.0'	Total/NA	Solid	6010B	102212
440-45333-15	PR-8-0.5'	Total/NA	Solid	6010B	102212
440-45333-16	PR-8-2.0'	Total/NA	Solid	6010B	102212
440-45333-17	PR-9-0.5'	Total/NA	Solid	6010B	102212
440-45333-18	PR-9-2.0'	Total/NA	Solid	6010B	102212
440-45333-19	PR-10-0.5'	Total/NA	Solid	6010B	102212
440-45333-20	PR-10-2.0'	Total/NA	Solid	6010B	102212
LCS 440-102212/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102212
MB 440-102212/1-A ^5	Method Blank	Total/NA	Solid	6010B	102212

Analysis Batch: 102659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45333-21	PR-11-0.5'	Total/NA	Solid	6010B	102216
440-45333-21 MS	PR-11-0.5'	Total/NA	Solid	6010B	102216
440-45333-21 MSD	PR-11-0.5'	Total/NA	Solid	6010B	102216
440-45333-22	PR-11-2.0'	Total/NA	Solid	6010B	102216
440-45333-23	PR-12-0.5'	Total/NA	Solid	6010B	102216
440-45333-24	PR-12-2.0'	Total/NA	Solid	6010B	102216
440-45333-25	PR-13-0.5'	Total/NA	Solid	6010B	102216
440-45333-26	PR-13-2.0'	Total/NA	Solid	6010B	102216
440-45333-27	PR-14-0.5'	Total/NA	Solid	6010B	102216
440-45333-28	PR-14-2.0'	Total/NA	Solid	6010B	102216
LCS 440-102216/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102216
MB 440-102216/1-A ^5	Method Blank	Total/NA	Solid	6010B	102216

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45333-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	03-28-13 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page _____ of _____

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	AEC	PROJECT NAME:	OCSTC
SEND REPORT TO:	Jon Buck/Peter Anderson	NUMBER:	Pistol Range
EMAIL:		ADDRESS:	Area Q
ADDRESS:	220 E. Truxtun Ave		
	Bakersfield CA	P.O. #:	
PHONE:		SAMPLED BY:	PA / JB

#240-45338

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST 6010B	Test Instructions & Comments
1	PR-1-0.5'	5-1-13	1258	Soil			X	
2	PR-1-2.0'		1258				X	
3	PR-2-0.5'		1305				X	
4	PR-2-2.0'		1305				X	
5	PR-3-0.5'		1310				X	
6	PR-3-2.0'		1310				X	
7	PR-4-0.5'		1318				X	
8	PR-4-2.0'		1318				X	
9	PR-5-0.5'		1324				X	
10	PR-5-2.0'		1324				X	
11	PR-6-0.5'		1335				X	
12	PR-6-2.0'		1335				X	
13	PR-7-0.5'		1342				X	
14	PR-7-2.0'		1342				X	
15								

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Peter Anderson	Printed Name: TIM S.	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 5-2-13 Time: 1120	Date: 5/2/13 Time: 1120	Date: Time:	Date: Time:	Date: Time:	Date: Time:

5.1/4.7

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page _____ of _____

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: AEC	PROJECT NAME: OCSTC
SEND REPORT TO: Jon Buck / Peter Anderson	NUMBER: Pistol Range
EMAIL:	ADDRESS: Area Q
ADDRESS: 320 E Truxtun Ave Bakerfield CA	
PHONE:	P.O. #:
	SAMPLED BY: PA / JB

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST 6010B	Test Instructions & Comments
1	PR-8-0.5'	5-1-13	1340	Soil			X	
2	PR-8-2.0'		1346				X	
3	PR-9-0.5'		1402				X	
4	PR-9-2.0'		1402				X	
5	PR-10-0.5'		1352				X	
6	PR-10-2.0'		1352				X	
7	PR-11-0.5'		1414				X	
8	PR-11-2.0'		1414				X	
9	PR-12-0.5'		1425				X	
10	PR-12-2.0'		1425				X	
11	PR-13-0.5'		1441				X	
12	PR-13-2.0'		1441				X	
13	PR-14-0.5'		1451				X	
14	PR-14-2.0'		1451				X	
15								

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Peter Anderson	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 5-2-13 Time: 1120	Date: 5/2/13 Time: 1120	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

5.6/9.7

Login Sample Receipt Checklist

Client: Advanced Environmental Concepts Inc

Job Number: 440-45333-1

Login Number: 45333

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	PA/JB
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-45335-1
Client Project/Site: OCSTC

For:
Advanced Environmental Concepts Inc
220 E. Truxtun Ave.
Bakersfield, California 93305

Attn: Jonathan Buck



Authorized for release by:
5/9/2013 10:28:16 AM

Lena Davidkova, Project Manager I
lena.davidkova@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-45335-1	RR-1-0.5'	Solid	05/01/13 08:32	05/02/13 11:20
440-45335-2	RR-1-2.0'	Solid	05/01/13 08:32	05/02/13 11:20
440-45335-3	RR-2-0.5'	Solid	05/01/13 08:42	05/02/13 11:20
440-45335-4	RR-2-2.0'	Solid	05/01/13 08:42	05/02/13 11:20
440-45335-5	RR-3-0.5'	Solid	05/01/13 08:58	05/02/13 11:20
440-45335-6	RR-3-2.0'	Solid	05/01/13 08:58	05/02/13 11:20
440-45335-7	RR-4-0.5'	Solid	05/01/13 08:50	05/02/13 11:20
440-45335-8	RR-4-2.0'	Solid	05/01/13 08:50	05/02/13 11:20
440-45335-9	RR-5-0.5'	Solid	05/01/13 09:12	05/02/13 11:20
440-45335-10	RR-5-2.0	Solid	05/01/13 09:12	05/02/13 11:20
440-45335-11	RR-6-0.5'	Solid	05/01/13 09:05	05/02/13 11:20
440-45335-12	RR-6-2.0'	Solid	05/01/13 09:05	05/02/13 11:20
440-45335-13	RR-7-0.5'	Solid	05/01/13 09:30	05/02/13 11:20
440-45335-14	RR-7-2.0'	Solid	05/01/13 09:30	05/02/13 11:20
440-45335-15	RR-16-0.5'	Solid	05/01/13 10:41	05/02/13 11:20
440-45335-16	RR-16-2.0'	Solid	05/01/13 10:41	05/02/13 11:20
440-45335-17	RR-8-0.5'	Solid	05/01/13 10:35	05/02/13 11:20
440-45335-18	RR-8-2.0'	Solid	05/01/13 10:35	05/02/13 11:20
440-45335-19	RR-9-0.5'	Solid	05/01/13 10:44	05/02/13 11:20
440-45335-20	RR-9-2.0'	Solid	05/01/13 10:44	05/02/13 11:20
440-45335-21	RR-10-0.5'	Solid	05/01/13 09:54	05/02/13 11:20
440-45335-22	RR-10-2.0'	Solid	05/01/13 09:54	05/02/13 11:20
440-45335-23	RR-11-0.5'	Solid	05/01/13 10:05	05/02/13 11:20
440-45335-24	RR-11-2.0'	Solid	05/01/13 10:05	05/02/13 11:20
440-45335-25	RR-12-0.5	Solid	05/01/13 10:12	05/02/13 11:20
440-45335-26	RR-12-2.0'	Solid	05/01/13 10:12	05/02/13 11:20
440-45335-27	RR-13-0.5'	Solid	05/01/13 10:20	05/02/13 11:20
440-45335-28	RR-13-2.0'	Solid	05/01/13 10:20	05/02/13 11:20
440-45335-29	RR-14-0.5'	Solid	05/01/13 10:26	05/02/13 11:20
440-45335-30	RR-14-2.0'	Solid	05/01/13 10:26	05/02/13 11:20
440-45335-31	RR-15-0.5'	Solid	05/01/13 10:52	05/02/13 11:20
440-45335-32	RR-15-2.0'	Solid	05/01/13 10:52	05/02/13 11:20

Job ID: 440-45335-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-45335-1

Comments
No additional comments.

Receipt
The samples were received on 5/2/2013 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries & RPD of Ba,Cr,Cu,Ni,Zn for batch 102216 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Ba for batch 102217 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: RR-3-2.0' (440-45335-6), RR-5-0.5' (440-45335-9), RR-5-2.0 (440-45335-10). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: RR-11-0.5' (440-45335-23), RR-11-2.0' (440-45335-24), RR-12-2.0' (440-45335-26), RR-13-0.5' (440-45335-27), RR-13-2.0' (440-45335-28), RR-14-2.0' (440-45335-30), RR-15-2.0' (440-45335-32), RR-16-2.0' (440-45335-16). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: RR-14-0.5' (440-45335-29). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Client Sample ID: RR-1-0.5'

Lab Sample ID: 440-45335-1

Date Collected: 05/01/13 08:32

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.3	J	9.8	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Arsenic	2.8		2.0	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Barium	80		0.98	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Beryllium	0.36	J	0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Cadmium	0.22	J	0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Chromium	8.6		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Cobalt	3.5		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Copper	9.0		2.0	0.37	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Lead	87		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Nickel	1.6	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Selenium	ND		2.0	0.98	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Thallium	0.95	J	9.8	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Vanadium	31		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Zinc	33		4.9	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:20	5
Silver	ND		0.98	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:20	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:19	1

Client Sample ID: RR-1-2.0'

Lab Sample ID: 440-45335-2

Date Collected: 05/01/13 08:32

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.3	J	10	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Arsenic	2.3		2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Barium	84		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Beryllium	0.40	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Chromium	9.6		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Cobalt	3.9		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Copper	4.6		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Lead	6.0		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Nickel	1.4	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Thallium	1.2	J	10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Vanadium	35		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Zinc	26		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:21	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:21	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:11	1

Client Sample ID: RR-2-0.5'
Date Collected: 05/01/13 08:42
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-3
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Arsenic	2.7		2.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Barium	61		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Beryllium	0.25	J	0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Cadmium	ND		0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Chromium	5.9		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Cobalt	3.5		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Copper	4.9		2.0	0.37	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Lead	12		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Nickel	1.2	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Thallium	1.0	J	9.9	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Vanadium	21		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Zinc	21		4.9	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:23	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:23	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:21	1

Client Sample ID: RR-2-2.0'
Date Collected: 05/01/13 08:42
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	6.0	J	9.9	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Arsenic	3.0		2.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Barium	60		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Beryllium	0.28	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Cadmium	0.20	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Chromium	7.3		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Cobalt	3.4		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Copper	13		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Lead	470		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Nickel	2.1		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Thallium	0.84	J	9.9	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Vanadium	23		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Zinc	31		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:25	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:25	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:24	1

Client Sample ID: RR-3-0.5'

Lab Sample ID: 440-45335-5

Date Collected: 05/01/13 08:58

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.6	J	10	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Arsenic	1.7	J	2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Barium	89		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Beryllium	0.28	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Cadmium	0.24	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Chromium	8.2		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Cobalt	3.7		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Copper	15		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Lead	240		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Nickel	1.6	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Thallium	1.2	J	10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Vanadium	31		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Zinc	37		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:26	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:26	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:26	1

Client Sample ID: RR-3-2.0'

Lab Sample ID: 440-45335-6

Date Collected: 05/01/13 08:58

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Arsenic	1.6	J	2.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Barium	150		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Beryllium	0.49	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Cadmium	0.28	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Chromium	13		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Cobalt	5.6		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Copper	7.5		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Lead	30		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Nickel	1.8	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Vanadium	53		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Zinc	50		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:28	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:32	05/07/13 11:05	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:34	1

Client Sample ID: RR-4-0.5'

Lab Sample ID: 440-45335-7

Date Collected: 05/01/13 08:50

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.1	J	9.8	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Arsenic	3.5		2.0	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Barium	120		0.98	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Beryllium	0.60		0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Cadmium	0.25	J	0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Chromium	9.0		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Cobalt	4.8		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Copper	23		2.0	0.37	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Lead	480		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Nickel	2.3		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Selenium	ND		2.0	0.98	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Thallium	0.97	J	9.8	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Vanadium	31		0.98	0.29	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Zinc	41		4.9	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:29	5
Silver	ND		0.98	0.78	mg/Kg		05/03/13 15:32	05/06/13 21:29	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:36	1

Client Sample ID: RR-4-2.0'

Lab Sample ID: 440-45335-8

Date Collected: 05/01/13 08:50

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.8	J	10	1.2	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Arsenic	3.5		2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Barium	130		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Beryllium	0.76		0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Cadmium	0.23	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Chromium	11		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Cobalt	5.5		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Copper	11		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Lead	72		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Nickel	2.7		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Thallium	1.3	J	10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Vanadium	37		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Zinc	36		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:36	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:36	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:39	1

Client Sample ID: RR-5-0.5'

Lab Sample ID: 440-45335-9

Date Collected: 05/01/13 09:12

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.7	J	10	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Arsenic	1.6	J	2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Barium	110		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Beryllium	0.41	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Cadmium	0.35	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Chromium	13		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Cobalt	5.2		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Copper	9.9		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Lead	160		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Nickel	2.1		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Thallium	1.9	J	10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Vanadium	67		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Zinc	49		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:38	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:32	05/07/13 11:07	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:41	1

Client Sample ID: RR-5-2.0

Lab Sample ID: 440-45335-10

Date Collected: 05/01/13 09:12

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.2	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Arsenic	1.5	J	2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Barium	120		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Beryllium	0.45	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Cadmium	0.30	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Chromium	14		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Cobalt	5.3		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Copper	5.1		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Lead	4.5		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Nickel	1.7	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Thallium	2.7	J	10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Vanadium	62		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Zinc	47		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:39	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:32	05/07/13 11:08	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:44	1

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Client Sample ID: RR-6-0.5'

Lab Sample ID: 440-45335-11

Date Collected: 05/01/13 09:05
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.5	J	10	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Arsenic	2.7		2.0	0.81	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Barium	66		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Beryllium	0.23	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Cadmium	0.28	J	0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Chromium	6.3		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Cobalt	2.8		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Copper	100		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Lead	800		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Nickel	2.6		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Thallium	ND		10	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Vanadium	18		1.0	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Zinc	47		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 21:40	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:40	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:46	1

Client Sample ID: RR-6-2.0'

Lab Sample ID: 440-45335-12

Date Collected: 05/01/13 09:05
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.9	J	9.9	1.1	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Arsenic	2.2		2.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Barium	44		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Beryllium	0.20	J	0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Cadmium	ND		0.49	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Chromium	6.5		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Cobalt	2.8		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Copper	63		2.0	0.37	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Lead	490		2.0	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Nickel	1.5	J	2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Vanadium	19		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Zinc	27		4.9	0.49	mg/Kg		05/03/13 15:32	05/06/13 21:42	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 21:42	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.16		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:49	1

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Client Sample ID: RR-7-0.5'

Lab Sample ID: 440-45335-13

Date Collected: 05/01/13 09:30

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Arsenic	**2.3**		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Barium	**68**		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Beryllium	**0.20**	**J**	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Cadmium	**0.21**	**J**	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Chromium	**5.8**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Cobalt	**2.9**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Copper	**5.8**		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Lead	**30**		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Nickel	**1.2**	**J**	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Vanadium	**19**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Zinc	**22**		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 21:49	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:49	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:51	1

Client Sample ID: RR-7-2.0'

Lab Sample ID: 440-45335-14

Date Collected: 05/01/13 09:30

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Arsenic	**2.2**		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Barium	**49**		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Beryllium	**0.20**	**J**	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Chromium	**6.1**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Cobalt	**3.0**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Copper	**5.0**		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Lead	**31**		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Nickel	**1.1**	**J**	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Vanadium	**18**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Zinc	**20**		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 21:59	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 21:59	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.021	0.013	mg/Kg		05/07/13 10:50	05/07/13 15:01	1

Client Sample ID: RR-16-0.5'
Date Collected: 05/01/13 10:41
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-15
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.1	J	10	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Arsenic	6.6		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Barium	130		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Beryllium	0.29	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Cadmium	0.43	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Chromium	11		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Cobalt	4.3		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Copper	12		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Lead	89		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Nickel	3.8		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Thallium	1.5	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Vanadium	29		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Zinc	42		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:00	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:00	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:04	1

Client Sample ID: RR-16-2.0'
Date Collected: 05/01/13 10:41
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-16
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Arsenic	6.0		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Barium	150		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Beryllium	0.38	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Cadmium	0.25	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Chromium	11		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Cobalt	5.1		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Copper	8.2		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Lead	11		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Nickel	2.5		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Thallium	1.4	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Vanadium	29		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Zinc	48		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:02	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 11:10	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:06	1

Client Sample ID: RR-8-0.5'
Date Collected: 05/01/13 10:35
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-17
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.5	J	10	1.2	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Arsenic	2.4		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Barium	68		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Beryllium	0.22	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Cadmium	0.26	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Chromium	6.0		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Cobalt	3.0		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Copper	7.9		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Lead	110		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Nickel	1.9	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Thallium	0.90	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Vanadium	19		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Zinc	26		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:04	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:04	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:09	1

Client Sample ID: RR-8-2.0'
Date Collected: 05/01/13 10:35
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-18
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.2	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Arsenic	3.1		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Barium	57		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Beryllium	0.24	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Cadmium	0.22	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Chromium	5.7		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Cobalt	3.1		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Copper	6.0		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Lead	22		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Nickel	1.3	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Thallium	ND		10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Vanadium	22		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Zinc	21		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:06	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:06	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:11	1

Client Sample ID: RR-9-0.5'
Date Collected: 05/01/13 10:44
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-19
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	9.8		9.8	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Arsenic	3.6		2.0	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Barium	83		0.98	0.78	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Beryllium	0.43	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Cadmium	0.26	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Chromium	7.7		0.98	0.29	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Cobalt	3.9		0.98	0.29	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Copper	24		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Lead	500		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Nickel	1.8	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Selenium	ND		2.0	0.98	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Thallium	1.4	J	9.8	0.78	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Vanadium	26		0.98	0.29	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Zinc	36		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:07	5
Silver	ND		0.98	0.78	mg/Kg		05/03/13 15:35	05/06/13 22:07	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:14	1

Client Sample ID: RR-9-2.0'
Date Collected: 05/01/13 10:44
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.2	J	9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Arsenic	2.6		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Barium	76		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Beryllium	0.40	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Cadmium	ND		0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Chromium	6.8		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Cobalt	3.4		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Copper	5.1		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Lead	11		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Nickel	1.0	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Vanadium	25		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Zinc	22		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:09	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:09	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 15:16	1

Client Sample ID: RR-10-0.5'
Date Collected: 05/01/13 09:54
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-21
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	18		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Arsenic	3.0		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Barium	75		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Beryllium	0.35	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Cadmium	0.31	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Chromium	7.6		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Cobalt	3.3		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Copper	36		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Lead	1800		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Nickel	3.2		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Thallium	0.83	J	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Vanadium	26		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Zinc	48		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:11	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:11	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:29	1

Client Sample ID: RR-10-2.0'
Date Collected: 05/01/13 09:54
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-22
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Arsenic	1.9	J	2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Barium	29		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Beryllium	0.33	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Chromium	3.4		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Cobalt	2.1		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Copper	3.1		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Lead	2.3		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Nickel	1.1	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Vanadium	16		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Zinc	13		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:12	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:12	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:37	1

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Client Sample ID: RR-11-0.5'

Lab Sample ID: 440-45335-23

Date Collected: 05/01/13 10:05
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.0	J	9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Arsenic	2.1		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Barium	120		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Beryllium	0.44	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Cadmium	0.38	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Chromium	16		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Cobalt	6.5		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Copper	9.7		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Lead	62		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Nickel	2.6		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Thallium	3.1	J	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Vanadium	72		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Zinc	64		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:14	5
Silver	ND		4.9	3.9	mg/Kg		05/03/13 15:35	05/07/13 11:12	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.40		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:39	1

Client Sample ID: RR-11-2.0'

Lab Sample ID: 440-45335-24

Date Collected: 05/01/13 10:05
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.5	J	10	1.2	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Arsenic	1.9	J	2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Barium	110		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Beryllium	0.43	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Cadmium	0.35	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Chromium	16		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Cobalt	6.4		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Copper	7.5		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Lead	7.1		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Molybdenum	0.55	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Nickel	2.7		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Selenium	1.0	J	2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Thallium	0.84	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Vanadium	76		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Zinc	62		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:20	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 11:13	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:41	1

Client Sample ID: RR-12-0.5

Lab Sample ID: 440-45335-25

Date Collected: 05/01/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Arsenic	**1.5**	**J**	2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Barium	**49**		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Beryllium	**0.23**	**J**	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Chromium	**11**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Cobalt	**3.8**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Copper	**3.3**		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Lead	**4.9**		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Nickel	**1.5**	**J**	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Vanadium	**45**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Zinc	**31**		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:21	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:21	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.034**		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:44	1

Client Sample ID: RR-12-2.0'

Lab Sample ID: 440-45335-26

Date Collected: 05/01/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Arsenic	**1.8**	**J**	2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Barium	**47**		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Beryllium	**0.25**	**J**	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Cadmium	ND		0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Chromium	**12**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Cobalt	**3.8**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Copper	**3.7**		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Lead	**4.6**		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Nickel	**2.3**		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Thallium	**1.2**	**J**	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Vanadium	**48**		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Zinc	**31**		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:23	5
Silver	ND		4.9	3.9	mg/Kg		05/03/13 15:35	05/07/13 11:34	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.017**	**J**	0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:51	1

Client Sample ID: RR-13-0.5'
Date Collected: 05/01/13 10:20
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-27
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.2	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Arsenic	20		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Barium	140		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Beryllium	0.41	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Cadmium	0.75		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Chromium	16		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Cobalt	8.0		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Copper	9.7		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Lead	5.4		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Molybdenum	1.9	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Nickel	2.9		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Thallium	1.2	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Vanadium	96		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Zinc	73		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:25	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 11:36	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.28		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:54	1

Client Sample ID: RR-13-2.0'
Date Collected: 05/01/13 10:20
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-28
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.1	J	9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Arsenic	16		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Barium	110		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Beryllium	0.29	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Cadmium	0.71		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Chromium	14		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Cobalt	10		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Copper	7.4		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Lead	3.8		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Molybdenum	0.93	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Nickel	3.6		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Selenium	1.8	J	2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Thallium	3.1	J	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Vanadium	96		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Zinc	63		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:26	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 11:37	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:56	1

Client Sample ID: RR-14-0.5'
Date Collected: 05/01/13 10:26
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-29
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.2	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Arsenic	2.5		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Barium	79		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Beryllium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Cadmium	0.24	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Chromium	9.6		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Cobalt	4.0		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Copper	4.8		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Lead	9.4		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Nickel	1.4	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Thallium	1.2	J	10	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Vanadium	46		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Zinc	39		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:27	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 12:58	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:59	1

Client Sample ID: RR-14-2.0'
Date Collected: 05/01/13 10:26
Date Received: 05/02/13 11:20

Lab Sample ID: 440-45335-30
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Arsenic	2.6		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Barium	87		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Beryllium	0.27	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Cadmium	0.30	J	0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Chromium	12		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Cobalt	5.0		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Copper	4.6		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Lead	4.9		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Nickel	0.81	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Selenium	1.6	J	2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Thallium	1.4	J	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Vanadium	71		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Zinc	52		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 22:29	5
Silver	ND		5.0	4.0	mg/Kg		05/03/13 15:35	05/07/13 11:40	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 20:01	1

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Client Sample ID: RR-15-0.5'

Lab Sample ID: 440-45335-31

Date Collected: 05/01/13 10:52
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.1	J	9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Arsenic	2.5		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Barium	44		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Beryllium	0.23	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Cadmium	ND		0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Chromium	6.0		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Cobalt	2.1		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Copper	5.9		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Lead	82		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Nickel	0.59	J	2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Vanadium	19		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Zinc	16		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:30	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:30	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 20:04	1

Client Sample ID: RR-15-2.0'

Lab Sample ID: 440-45335-32

Date Collected: 05/01/13 10:52
Date Received: 05/02/13 11:20

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Arsenic	2.7		2.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Barium	130		0.99	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Beryllium	0.25	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Cadmium	0.27	J	0.49	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Chromium	6.7		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Cobalt	4.3		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Copper	5.8		2.0	0.37	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Lead	61		2.0	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Nickel	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Thallium	1.4	J	9.9	0.79	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Vanadium	39		0.99	0.30	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Zinc	36		4.9	0.49	mg/Kg		05/03/13 15:35	05/06/13 22:32	5
Silver	ND		4.9	3.9	mg/Kg		05/03/13 15:35	05/07/13 11:41	25

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 20:06	1

Method Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: RR-1-0.5'

Lab Sample ID: 440-45335-1

Date Collected: 05/01/13 08:32

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:20	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:19	DB	TAL IRV

Client Sample ID: RR-1-2.0'

Lab Sample ID: 440-45335-2

Date Collected: 05/01/13 08:32

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:21	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:11	DB	TAL IRV

Client Sample ID: RR-2-0.5'

Lab Sample ID: 440-45335-3

Date Collected: 05/01/13 08:42

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:23	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:21	DB	TAL IRV

Client Sample ID: RR-2-2.0'

Lab Sample ID: 440-45335-4

Date Collected: 05/01/13 08:42

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:25	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:24	DB	TAL IRV

Client Sample ID: RR-3-0.5'

Lab Sample ID: 440-45335-5

Date Collected: 05/01/13 08:58

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:26	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV

Client Sample ID: RR-3-0.5'

Lab Sample ID: 440-45335-5

Date Collected: 05/01/13 08:58

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1			102808	05/07/13 14:26	DB	TAL IRV

Client Sample ID: RR-3-2.0'

Lab Sample ID: 440-45335-6

Date Collected: 05/01/13 08:58

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:28	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		25			102747	05/07/13 11:05	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:34	DB	TAL IRV

Client Sample ID: RR-4-0.5'

Lab Sample ID: 440-45335-7

Date Collected: 05/01/13 08:50

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:29	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:36	DB	TAL IRV

Client Sample ID: RR-4-2.0'

Lab Sample ID: 440-45335-8

Date Collected: 05/01/13 08:50

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:36	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:39	DB	TAL IRV

Client Sample ID: RR-5-0.5'

Lab Sample ID: 440-45335-9

Date Collected: 05/01/13 09:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:38	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		25			102747	05/07/13 11:07	VS	TAL IRV

Client Sample ID: RR-5-0.5' — **Lab Sample ID: 440-45335-9**
Date Collected: 05/01/13 09:12 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:41	DB	TAL IRV

Client Sample ID: RR-5-2.0 — **Lab Sample ID: 440-45335-10**
Date Collected: 05/01/13 09:12 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:39	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		25			102747	05/07/13 11:08	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:44	DB	TAL IRV

Client Sample ID: RR-6-0.5' — **Lab Sample ID: 440-45335-11**
Date Collected: 05/01/13 09:05 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:40	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:46	DB	TAL IRV

Client Sample ID: RR-6-2.0' — **Lab Sample ID: 440-45335-12**
Date Collected: 05/01/13 09:05 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102216	05/03/13 15:32	CH	TAL IRV
Total/NA	Analysis	6010B		5			102659	05/06/13 21:42	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 14:49	DB	TAL IRV

Client Sample ID: RR-7-0.5' — **Lab Sample ID: 440-45335-13**
Date Collected: 05/01/13 09:30 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 21:49	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV

Client Sample ID: RR-7-0.5'

Lab Sample ID: 440-45335-13

Date Collected: 05/01/13 09:30

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1			102808	05/07/13 14:51	DB	TAL IRV

Client Sample ID: RR-7-2.0'

Lab Sample ID: 440-45335-14

Date Collected: 05/01/13 09:30

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 21:59	VS	TAL IRV
Total/NA	Prep	7471A			0.48 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:01	DB	TAL IRV

Client Sample ID: RR-16-0.5'

Lab Sample ID: 440-45335-15

Date Collected: 05/01/13 10:41

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:00	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:04	DB	TAL IRV

Client Sample ID: RR-16-2.0'

Lab Sample ID: 440-45335-16

Date Collected: 05/01/13 10:41

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:02	VS	TAL IRV
Total/NA	Prep	3050B			2.01 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:10	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:06	DB	TAL IRV

Client Sample ID: RR-8-0.5'

Lab Sample ID: 440-45335-17

Date Collected: 05/01/13 10:35

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:04	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:09	DB	TAL IRV

Client Sample ID: RR-8-2.0' — **Lab Sample ID: 440-45335-18**
Date Collected: 05/01/13 10:35 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:06	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:11	DB	TAL IRV

Client Sample ID: RR-9-0.5' — **Lab Sample ID: 440-45335-19**
Date Collected: 05/01/13 10:44 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:07	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:14	DB	TAL IRV

Client Sample ID: RR-9-2.0' — **Lab Sample ID: 440-45335-20**
Date Collected: 05/01/13 10:44 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:09	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102545	05/07/13 10:50	MM	TAL IRV
Total/NA	Analysis	7471A		1			102808	05/07/13 15:16	DB	TAL IRV

Client Sample ID: RR-10-0.5' — **Lab Sample ID: 440-45335-21**
Date Collected: 05/01/13 09:54 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:11	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:29	DB	TAL IRV

Client Sample ID: RR-10-2.0' — **Lab Sample ID: 440-45335-22**
Date Collected: 05/01/13 09:54 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:12	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV

Client Sample ID: RR-10-2.0'

Lab Sample ID: 440-45335-22

Date Collected: 05/01/13 09:54

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1			102910	05/07/13 19:37	DB	TAL IRV

Client Sample ID: RR-11-0.5'

Lab Sample ID: 440-45335-23

Date Collected: 05/01/13 10:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:14	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:12	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:39	DB	TAL IRV

Client Sample ID: RR-11-2.0'

Lab Sample ID: 440-45335-24

Date Collected: 05/01/13 10:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:20	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:13	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:41	DB	TAL IRV

Client Sample ID: RR-12-0.5

Lab Sample ID: 440-45335-25

Date Collected: 05/01/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:21	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:44	DB	TAL IRV

Client Sample ID: RR-12-2.0'

Lab Sample ID: 440-45335-26

Date Collected: 05/01/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:23	VS	TAL IRV

Client Sample ID: RR-12-2.0'

Lab Sample ID: 440-45335-26

Date Collected: 05/01/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:34	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:51	DB	TAL IRV

Client Sample ID: RR-13-0.5'

Lab Sample ID: 440-45335-27

Date Collected: 05/01/13 10:20

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:25	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:36	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:54	DB	TAL IRV

Client Sample ID: RR-13-2.0'

Lab Sample ID: 440-45335-28

Date Collected: 05/01/13 10:20

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:26	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:37	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:56	DB	TAL IRV

Client Sample ID: RR-14-0.5'

Lab Sample ID: 440-45335-29

Date Collected: 05/01/13 10:26

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:27	VS	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102781	05/07/13 12:58	MP	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 19:59	DB	TAL IRV

Lab Chronicle

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Client Sample ID: RR-14-2.0'

Lab Sample ID: 440-45335-30

Date Collected: 05/01/13 10:26

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:29	VS	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:40	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 20:01	DB	TAL IRV

Client Sample ID: RR-15-0.5'

Lab Sample ID: 440-45335-31

Date Collected: 05/01/13 10:52

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:30	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 20:04	DB	TAL IRV

Client Sample ID: RR-15-2.0'

Lab Sample ID: 440-45335-32

Date Collected: 05/01/13 10:52

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		5			102660	05/06/13 22:32	VS	TAL IRV
Total/NA	Prep	3050B			2.03 g	50 mL	102217	05/03/13 15:35	DT	TAL IRV
Total/NA	Analysis	6010B		25			102760	05/07/13 11:41	VS	TAL IRV
Total/NA	Prep	7471A			0.49 g	50 mL	102546	05/07/13 13:25	MM	TAL IRV
Total/NA	Analysis	7471A		1			102910	05/07/13 20:06	DB	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-102216/1-A ^5
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	1.1	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Arsenic	ND		2.0	0.80	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Barium	ND		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Beryllium	ND		0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Chromium	ND		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Cobalt	ND		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Copper	ND		2.0	0.38	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Lead	ND		2.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Nickel	ND		2.0	0.20	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Selenium	ND		2.0	0.99	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Thallium	ND		9.9	0.79	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Vanadium	ND		0.99	0.30	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Zinc	ND		5.0	0.50	mg/Kg		05/03/13 15:32	05/06/13 20:54	5
Silver	ND		0.99	0.79	mg/Kg		05/03/13 15:32	05/06/13 20:54	5

Lab Sample ID: LCS 440-102216/2-A ^5
Matrix: Solid
Analysis Batch: 102659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	49.6		mg/Kg		99	80 - 120
Arsenic	50.0	48.0		mg/Kg		96	80 - 120
Barium	50.0	48.7		mg/Kg		97	80 - 120
Beryllium	50.0	48.8		mg/Kg		98	80 - 120
Cadmium	50.0	47.1		mg/Kg		94	80 - 120
Chromium	50.0	49.2		mg/Kg		98	80 - 120
Cobalt	50.0	47.1		mg/Kg		94	80 - 120
Copper	50.0	48.7		mg/Kg		97	80 - 120
Lead	50.0	47.6		mg/Kg		95	80 - 120
Molybdenum	50.0	45.5		mg/Kg		91	80 - 120
Nickel	50.0	49.0		mg/Kg		98	80 - 120
Selenium	50.0	46.3		mg/Kg		93	80 - 120
Thallium	50.0	47.5		mg/Kg		95	80 - 120
Vanadium	50.0	48.1		mg/Kg		96	80 - 120
Zinc	50.0	46.4		mg/Kg		93	80 - 120
Silver	25.0	23.0		mg/Kg		92	80 - 120

Lab Sample ID: MB 440-102217/1-A ^5
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	1.2	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Arsenic	ND		2.0	0.81	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Barium	ND		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Beryllium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:44	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-102217/1-A ^5
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.50	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Chromium	ND		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Cobalt	ND		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Copper	ND		2.0	0.38	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Lead	ND		2.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Molybdenum	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Nickel	ND		2.0	0.20	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Selenium	ND		2.0	1.0	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Thallium	ND		10	0.80	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Vanadium	ND		1.0	0.30	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Zinc	ND		5.0	0.50	mg/Kg		05/03/13 15:35	05/06/13 21:44	5
Silver	ND		1.0	0.80	mg/Kg		05/03/13 15:35	05/06/13 21:44	5

Lab Sample ID: LCS 440-102217/2-A ^5
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	49.5	47.3		mg/Kg		96	80 - 120
Arsenic	49.5	46.2		mg/Kg		93	80 - 120
Barium	49.5	46.8		mg/Kg		94	80 - 120
Beryllium	49.5	46.9		mg/Kg		95	80 - 120
Cadmium	49.5	45.1		mg/Kg		91	80 - 120
Chromium	49.5	47.3		mg/Kg		95	80 - 120
Cobalt	49.5	45.1		mg/Kg		91	80 - 120
Copper	49.5	46.8		mg/Kg		94	80 - 120
Lead	49.5	45.7		mg/Kg		92	80 - 120
Molybdenum	49.5	43.8		mg/Kg		88	80 - 120
Nickel	49.5	47.0		mg/Kg		95	80 - 120
Selenium	49.5	44.0		mg/Kg		89	80 - 120
Thallium	49.5	45.9		mg/Kg		93	80 - 120
Vanadium	49.5	46.0		mg/Kg		93	80 - 120
Zinc	49.5	44.6		mg/Kg		90	80 - 120
Silver	24.8	23.6		mg/Kg		95	80 - 120

Lab Sample ID: 440-45335-13 MS
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: RR-7-0.5'
Prep Type: Total/NA
Prep Batch: 102217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		49.8	42.7		mg/Kg		86	75 - 125
Arsenic	2.3		49.8	44.9		mg/Kg		86	75 - 125
Barium	68		49.8	98.7	F	mg/Kg		61	75 - 125
Beryllium	0.20	J	49.8	45.6		mg/Kg		91	75 - 125
Cadmium	0.21	J	49.8	41.9		mg/Kg		84	75 - 125
Chromium	5.8		49.8	51.5		mg/Kg		92	75 - 125
Cobalt	2.9		49.8	44.1		mg/Kg		83	75 - 125
Copper	5.8		49.8	51.0		mg/Kg		91	75 - 125
Lead	30		49.8	77.5		mg/Kg		96	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-45335-13 MS
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: RR-7-0.5'
Prep Type: Total/NA
Prep Batch: 102217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	ND		49.8	40.8		mg/Kg		82	75 - 125
Nickel	1.2	J	49.8	44.5		mg/Kg		87	75 - 125
Selenium	ND		49.8	41.4		mg/Kg		83	75 - 125
Thallium	ND		49.8	42.4		mg/Kg		85	75 - 125
Vanadium	19		49.8	64.2		mg/Kg		91	75 - 125
Zinc	22		49.8	64.7		mg/Kg		86	75 - 125
Silver	ND		24.9	21.1		mg/Kg		85	75 - 125

Lab Sample ID: 440-45335-13 MSD
Matrix: Solid
Analysis Batch: 102660

Client Sample ID: RR-7-0.5'
Prep Type: Total/NA
Prep Batch: 102217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		49.8	43.3		mg/Kg		87	75 - 125	1	20
Arsenic	2.3		49.8	45.5		mg/Kg		87	75 - 125	1	20
Barium	68		49.8	97.9	F	mg/Kg		60	75 - 125	1	20
Beryllium	0.20	J	49.8	46.6		mg/Kg		93	75 - 125	2	20
Cadmium	0.21	J	49.8	42.9		mg/Kg		86	75 - 125	2	20
Chromium	5.8		49.8	51.8		mg/Kg		93	75 - 125	1	20
Cobalt	2.9		49.8	45.1		mg/Kg		85	75 - 125	2	20
Copper	5.8		49.8	52.4		mg/Kg		94	75 - 125	3	20
Lead	30		49.8	87.3		mg/Kg		116	75 - 125	12	20
Molybdenum	ND		49.8	41.8		mg/Kg		84	75 - 125	2	20
Nickel	1.2	J	49.8	45.4		mg/Kg		89	75 - 125	2	20
Selenium	ND		49.8	41.6		mg/Kg		84	75 - 125	1	20
Thallium	ND		49.8	43.3		mg/Kg		87	75 - 125	2	20
Vanadium	19		49.8	65.7		mg/Kg		94	75 - 125	2	20
Zinc	22		49.8	67.6		mg/Kg		92	75 - 125	4	20
Silver	ND		24.9	21.7		mg/Kg		87	75 - 125	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-102545/1-A
Matrix: Solid
Analysis Batch: 102808

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 10:50	05/07/13 14:06	1

Lab Sample ID: LCS 440-102545/2-A
Matrix: Solid
Analysis Batch: 102808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.800	0.788		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-45335-2 MS
Matrix: Solid
Analysis Batch: 102808

Client Sample ID: RR-1-2.0'
Prep Type: Total/NA
Prep Batch: 102545

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.025		0.816	0.959		mg/Kg		114	70 - 130

Lab Sample ID: 440-45335-2 MSD
Matrix: Solid
Analysis Batch: 102808

Client Sample ID: RR-1-2.0'
Prep Type: Total/NA
Prep Batch: 102545

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.025		0.800	0.927		mg/Kg		113	70 - 130	3	20

Lab Sample ID: MB 440-102546/1-A
Matrix: Solid
Analysis Batch: 102910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.012	mg/Kg		05/07/13 13:25	05/07/13 19:24	1

Lab Sample ID: LCS 440-102546/2-A
Matrix: Solid
Analysis Batch: 102910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.800	0.787		mg/Kg		98	80 - 120

Lab Sample ID: 440-45335-21 MS
Matrix: Solid
Analysis Batch: 102910

Client Sample ID: RR-10-0.5'
Prep Type: Total/NA
Prep Batch: 102546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.025		0.800	0.791		mg/Kg		96	70 - 130

Lab Sample ID: 440-45335-21 MSD
Matrix: Solid
Analysis Batch: 102910

Client Sample ID: RR-10-0.5'
Prep Type: Total/NA
Prep Batch: 102546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.025		0.784	0.795		mg/Kg		98	70 - 130	1	20

Metals

Prep Batch: 102216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-1	RR-1-0.5'	Total/NA	Solid	3050B	
440-45335-2	RR-1-2.0'	Total/NA	Solid	3050B	
440-45335-3	RR-2-0.5'	Total/NA	Solid	3050B	
440-45335-4	RR-2-2.0'	Total/NA	Solid	3050B	
440-45335-5	RR-3-0.5'	Total/NA	Solid	3050B	
440-45335-6	RR-3-2.0'	Total/NA	Solid	3050B	
440-45335-7	RR-4-0.5'	Total/NA	Solid	3050B	
440-45335-8	RR-4-2.0'	Total/NA	Solid	3050B	
440-45335-9	RR-5-0.5'	Total/NA	Solid	3050B	
440-45335-10	RR-5-2.0	Total/NA	Solid	3050B	
440-45335-11	RR-6-0.5'	Total/NA	Solid	3050B	
440-45335-12	RR-6-2.0'	Total/NA	Solid	3050B	
LCS 440-102216/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102216/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-13	RR-7-0.5'	Total/NA	Solid	3050B	
440-45335-13 MS	RR-7-0.5'	Total/NA	Solid	3050B	
440-45335-13 MSD	RR-7-0.5'	Total/NA	Solid	3050B	
440-45335-14	RR-7-2.0'	Total/NA	Solid	3050B	
440-45335-15	RR-16-0.5'	Total/NA	Solid	3050B	
440-45335-16	RR-16-2.0'	Total/NA	Solid	3050B	
440-45335-17	RR-8-0.5'	Total/NA	Solid	3050B	
440-45335-18	RR-8-2.0'	Total/NA	Solid	3050B	
440-45335-19	RR-9-0.5'	Total/NA	Solid	3050B	
440-45335-20	RR-9-2.0'	Total/NA	Solid	3050B	
440-45335-21	RR-10-0.5'	Total/NA	Solid	3050B	
440-45335-22	RR-10-2.0'	Total/NA	Solid	3050B	
440-45335-23	RR-11-0.5'	Total/NA	Solid	3050B	
440-45335-24	RR-11-2.0'	Total/NA	Solid	3050B	
440-45335-25	RR-12-0.5	Total/NA	Solid	3050B	
440-45335-26	RR-12-2.0'	Total/NA	Solid	3050B	
440-45335-27	RR-13-0.5'	Total/NA	Solid	3050B	
440-45335-28	RR-13-2.0'	Total/NA	Solid	3050B	
440-45335-29	RR-14-0.5'	Total/NA	Solid	3050B	
440-45335-30	RR-14-2.0'	Total/NA	Solid	3050B	
440-45335-31	RR-15-0.5'	Total/NA	Solid	3050B	
440-45335-32	RR-15-2.0'	Total/NA	Solid	3050B	
LCS 440-102217/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102217/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-1	RR-1-0.5'	Total/NA	Solid	7471A	
440-45335-2	RR-1-2.0'	Total/NA	Solid	7471A	
440-45335-2 MS	RR-1-2.0'	Total/NA	Solid	7471A	
440-45335-2 MSD	RR-1-2.0'	Total/NA	Solid	7471A	
440-45335-3	RR-2-0.5'	Total/NA	Solid	7471A	
440-45335-4	RR-2-2.0'	Total/NA	Solid	7471A	
440-45335-5	RR-3-0.5'	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 102545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-6	RR-3-2.0'	Total/NA	Solid	7471A	
440-45335-7	RR-4-0.5'	Total/NA	Solid	7471A	
440-45335-8	RR-4-2.0'	Total/NA	Solid	7471A	
440-45335-9	RR-5-0.5'	Total/NA	Solid	7471A	
440-45335-10	RR-5-2.0	Total/NA	Solid	7471A	
440-45335-11	RR-6-0.5'	Total/NA	Solid	7471A	
440-45335-12	RR-6-2.0'	Total/NA	Solid	7471A	
440-45335-13	RR-7-0.5'	Total/NA	Solid	7471A	
440-45335-14	RR-7-2.0'	Total/NA	Solid	7471A	
440-45335-15	RR-16-0.5'	Total/NA	Solid	7471A	
440-45335-16	RR-16-2.0'	Total/NA	Solid	7471A	
440-45335-17	RR-8-0.5'	Total/NA	Solid	7471A	
440-45335-18	RR-8-2.0'	Total/NA	Solid	7471A	
440-45335-19	RR-9-0.5'	Total/NA	Solid	7471A	
440-45335-20	RR-9-2.0'	Total/NA	Solid	7471A	
LCS 440-102545/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 440-102545/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 102546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-21	RR-10-0.5'	Total/NA	Solid	7471A	
440-45335-21 MS	RR-10-0.5'	Total/NA	Solid	7471A	
440-45335-21 MSD	RR-10-0.5'	Total/NA	Solid	7471A	
440-45335-22	RR-10-2.0'	Total/NA	Solid	7471A	
440-45335-23	RR-11-0.5'	Total/NA	Solid	7471A	
440-45335-24	RR-11-2.0'	Total/NA	Solid	7471A	
440-45335-25	RR-12-0.5	Total/NA	Solid	7471A	
440-45335-26	RR-12-2.0'	Total/NA	Solid	7471A	
440-45335-27	RR-13-0.5'	Total/NA	Solid	7471A	
440-45335-28	RR-13-2.0'	Total/NA	Solid	7471A	
440-45335-29	RR-14-0.5'	Total/NA	Solid	7471A	
440-45335-30	RR-14-2.0'	Total/NA	Solid	7471A	
440-45335-31	RR-15-0.5'	Total/NA	Solid	7471A	
440-45335-32	RR-15-2.0'	Total/NA	Solid	7471A	
LCS 440-102546/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 440-102546/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 102659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-1	RR-1-0.5'	Total/NA	Solid	6010B	102216
440-45335-2	RR-1-2.0'	Total/NA	Solid	6010B	102216
440-45335-3	RR-2-0.5'	Total/NA	Solid	6010B	102216
440-45335-4	RR-2-2.0'	Total/NA	Solid	6010B	102216
440-45335-5	RR-3-0.5'	Total/NA	Solid	6010B	102216
440-45335-6	RR-3-2.0'	Total/NA	Solid	6010B	102216
440-45335-7	RR-4-0.5'	Total/NA	Solid	6010B	102216
440-45335-8	RR-4-2.0'	Total/NA	Solid	6010B	102216
440-45335-9	RR-5-0.5'	Total/NA	Solid	6010B	102216
440-45335-10	RR-5-2.0	Total/NA	Solid	6010B	102216
440-45335-11	RR-6-0.5'	Total/NA	Solid	6010B	102216
440-45335-12	RR-6-2.0'	Total/NA	Solid	6010B	102216

Metals (Continued)

Analysis Batch: 102659 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-102216/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102216
MB 440-102216/1-A ^5	Method Blank	Total/NA	Solid	6010B	102216

Analysis Batch: 102660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-13	RR-7-0.5'	Total/NA	Solid	6010B	102217
440-45335-13 MS	RR-7-0.5'	Total/NA	Solid	6010B	102217
440-45335-13 MSD	RR-7-0.5'	Total/NA	Solid	6010B	102217
440-45335-14	RR-7-2.0'	Total/NA	Solid	6010B	102217
440-45335-15	RR-16-0.5'	Total/NA	Solid	6010B	102217
440-45335-16	RR-16-2.0'	Total/NA	Solid	6010B	102217
440-45335-17	RR-8-0.5'	Total/NA	Solid	6010B	102217
440-45335-18	RR-8-2.0'	Total/NA	Solid	6010B	102217
440-45335-19	RR-9-0.5'	Total/NA	Solid	6010B	102217
440-45335-20	RR-9-2.0'	Total/NA	Solid	6010B	102217
440-45335-21	RR-10-0.5'	Total/NA	Solid	6010B	102217
440-45335-22	RR-10-2.0'	Total/NA	Solid	6010B	102217
440-45335-23	RR-11-0.5'	Total/NA	Solid	6010B	102217
440-45335-24	RR-11-2.0'	Total/NA	Solid	6010B	102217
440-45335-25	RR-12-0.5	Total/NA	Solid	6010B	102217
440-45335-26	RR-12-2.0'	Total/NA	Solid	6010B	102217
440-45335-27	RR-13-0.5'	Total/NA	Solid	6010B	102217
440-45335-28	RR-13-2.0'	Total/NA	Solid	6010B	102217
440-45335-29	RR-14-0.5'	Total/NA	Solid	6010B	102217
440-45335-30	RR-14-2.0'	Total/NA	Solid	6010B	102217
440-45335-31	RR-15-0.5'	Total/NA	Solid	6010B	102217
440-45335-32	RR-15-2.0'	Total/NA	Solid	6010B	102217
LCS 440-102217/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102217
MB 440-102217/1-A ^5	Method Blank	Total/NA	Solid	6010B	102217

Analysis Batch: 102747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-6	RR-3-2.0'	Total/NA	Solid	6010B	102216
440-45335-9	RR-5-0.5'	Total/NA	Solid	6010B	102216
440-45335-10	RR-5-2.0	Total/NA	Solid	6010B	102216

Analysis Batch: 102760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-16	RR-16-2.0'	Total/NA	Solid	6010B	102217
440-45335-23	RR-11-0.5'	Total/NA	Solid	6010B	102217
440-45335-24	RR-11-2.0'	Total/NA	Solid	6010B	102217
440-45335-26	RR-12-2.0'	Total/NA	Solid	6010B	102217
440-45335-27	RR-13-0.5'	Total/NA	Solid	6010B	102217
440-45335-28	RR-13-2.0'	Total/NA	Solid	6010B	102217
440-45335-30	RR-14-2.0'	Total/NA	Solid	6010B	102217
440-45335-32	RR-15-2.0'	Total/NA	Solid	6010B	102217

Analysis Batch: 102781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-29	RR-14-0.5'	Total/NA	Solid	6010B	102217

Metals (Continued)

Analysis Batch: 102808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-1	RR-1-0.5'	Total/NA	Solid	7471A	102545
440-45335-2	RR-1-2.0'	Total/NA	Solid	7471A	102545
440-45335-2 MS	RR-1-2.0'	Total/NA	Solid	7471A	102545
440-45335-2 MSD	RR-1-2.0'	Total/NA	Solid	7471A	102545
440-45335-3	RR-2-0.5'	Total/NA	Solid	7471A	102545
440-45335-4	RR-2-2.0'	Total/NA	Solid	7471A	102545
440-45335-5	RR-3-0.5'	Total/NA	Solid	7471A	102545
440-45335-6	RR-3-2.0'	Total/NA	Solid	7471A	102545
440-45335-7	RR-4-0.5'	Total/NA	Solid	7471A	102545
440-45335-8	RR-4-2.0'	Total/NA	Solid	7471A	102545
440-45335-9	RR-5-0.5'	Total/NA	Solid	7471A	102545
440-45335-10	RR-5-2.0	Total/NA	Solid	7471A	102545
440-45335-11	RR-6-0.5'	Total/NA	Solid	7471A	102545
440-45335-12	RR-6-2.0'	Total/NA	Solid	7471A	102545
440-45335-13	RR-7-0.5'	Total/NA	Solid	7471A	102545
440-45335-14	RR-7-2.0'	Total/NA	Solid	7471A	102545
440-45335-15	RR-16-0.5'	Total/NA	Solid	7471A	102545
440-45335-16	RR-16-2.0'	Total/NA	Solid	7471A	102545
440-45335-17	RR-8-0.5'	Total/NA	Solid	7471A	102545
440-45335-18	RR-8-2.0'	Total/NA	Solid	7471A	102545
440-45335-19	RR-9-0.5'	Total/NA	Solid	7471A	102545
440-45335-20	RR-9-2.0'	Total/NA	Solid	7471A	102545
LCS 440-102545/2-A	Lab Control Sample	Total/NA	Solid	7471A	102545
MB 440-102545/1-A	Method Blank	Total/NA	Solid	7471A	102545

Analysis Batch: 102910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45335-21	RR-10-0.5'	Total/NA	Solid	7471A	102546
440-45335-21 MS	RR-10-0.5'	Total/NA	Solid	7471A	102546
440-45335-21 MSD	RR-10-0.5'	Total/NA	Solid	7471A	102546
440-45335-22	RR-10-2.0'	Total/NA	Solid	7471A	102546
440-45335-23	RR-11-0.5'	Total/NA	Solid	7471A	102546
440-45335-24	RR-11-2.0'	Total/NA	Solid	7471A	102546
440-45335-25	RR-12-0.5	Total/NA	Solid	7471A	102546
440-45335-26	RR-12-2.0'	Total/NA	Solid	7471A	102546
440-45335-27	RR-13-0.5'	Total/NA	Solid	7471A	102546
440-45335-28	RR-13-2.0'	Total/NA	Solid	7471A	102546
440-45335-29	RR-14-0.5'	Total/NA	Solid	7471A	102546
440-45335-30	RR-14-2.0'	Total/NA	Solid	7471A	102546
440-45335-31	RR-15-0.5'	Total/NA	Solid	7471A	102546
440-45335-32	RR-15-2.0'	Total/NA	Solid	7471A	102546
LCS 440-102546/2-A	Lab Control Sample	Total/NA	Solid	7471A	102546
MB 440-102546/1-A	Method Blank	Total/NA	Solid	7471A	102546

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45335-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	03-28-13 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

ASSOCIATED LABORATORIES
806 North Batavia • Orange, CA 92868
Phone: (714) 771-6900 • Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page _____ of _____

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: AEC	PROJECT NAME: OCSTC
SEND REPORT TO: Jon Buck/Peter Anderson	NUMBER: Rifle Range
EMAIL:	ADDRESS: Area Q
ADDRESS: 220 E. Truxtun Ave	
Bakersfield CA 93305	P.O. #:
PHONE: 949-371-3690	SAMPLED BY: PA / JB

Alpha 10-45325

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST 6010B	Test Instructions & Comments
1	RR-1-0.5'	5-1-13	0832	Soil			X	
2	RR-1-2.0'		0832				X	
3	RR-2-0.5'		0842				X	
4	RR-2-2.0'		0842				X	
5	RR-3-0.5'		0858				X	
6	RR-3-2.0'		0858				X	
7	RR-4-0.5'		0850				X	
8	RR-4-2.0'		0850				X	
9	RR-5-0.5'		0912				X	
10	RR-5-2.0'		0912				X	
11	RR-6-0.5'		0905				X	
12	RR-6-2.0'		0905				X	
13	RR-7-0.5'		0930				X	
14	RR-7-2.0'	↓	0930	↓			X	
15	RR-16-0.5'	5-2-13	1041				X	
	RR-16-2.0'	5-2-13	1041	↓			X	

Total No. of Samples: Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
AEC	TA				
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Peter Anderson	Printed Name: TIM S.	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 5-2-13 Time: 1120	Date: 5/2/13 Time: 1120	Date: Time:	Date: Time:	Date: Time:	Date: Time:

5.1/4.7

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page 3 of _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: AEC	PROJECT NAME: OCSTC
SEND REPORT TO: Jon Buck/Peter Anderson	NUMBER: Rifle Range
EMAIL:	ADDRESS: Area Q
ADDRESS: 320 E. Truxtun Ave	
Bakersfield CA	P.O. #:
PHONE:	SAMPLED BY: PA/JB

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST 6010B	Test Instructions & Comments
1	RR-8-0.5'	5-1-13	1035	Soil			X	
2	RR-8-2.0'		1035				X	
3	RR-9-0.5'		1044				X	
4	RR-9-2.0'		1044				X	
5	RR-10-0.5'		0954				X	
6	RR-10-2.0'		0954				X	
7	RR-11-0.5'		1005				X	
8	RR-11-2.0'		1005				X	
9	RR-12-0.5'		1012				X	
10	RR-12-2.0'		1012				X	
11	RR-13-0.5'		1020				X	
12	RR-13-2.0		1020				X	
13	RR-14-0.5'		1026				X	
14	RR-14-2.0'		1026				X	
15	RR-15-0.5'		1052				X	
	RR-15-2.0'		1052				X	

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Peter Anderson	Printed Name: TM S.	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 5-2-13 Time: 1120	Date: 5/2/13 Time: 1120	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

5.1/4.7

Login Sample Receipt Checklist

Client: Advanced Environmental Concepts Inc

Job Number: 440-45335-1

Login Number: 45335

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	PA/JB
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-45337-1
Client Project/Site: OCSTC

For:
Advanced Environmental Concepts Inc
220 E. Truxtun Ave.
Bakersfield, California 93305

Attn: Jonathan Buck

Authorized for release by:
5/9/2013 12:34:37 PM

Lena Davidkova, Project Manager I
lena.davidkova@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45337-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-45337-1	PR-17-0.5'	Solid	05/02/13 10:05	05/02/13 11:20
440-45337-2	PR-17-2.0'	Solid	05/02/13 10:05	05/02/13 11:20
440-45337-3	PR-18-0.5'	Solid	05/02/13 10:12	05/02/13 11:20
440-45337-4	PR-18-2.0'	Solid	05/02/13 10:12	05/02/13 11:20
440-45337-5	PR-19-0.5'	Solid	05/02/13 10:16	05/02/13 11:20
440-45337-6	PR-19-2.0'	Solid	05/02/13 10:16	05/02/13 11:20
440-45337-7	PR-20-0.5'	Solid	05/02/13 10:21	05/02/13 11:20
440-45337-8	PR-20-2.0'	Solid	05/02/13 10:21	05/02/13 11:20
440-45337-9	PR-21-0.5'	Solid	05/02/13 10:25	05/02/13 11:20
440-45337-10	PR-21-2.0	Solid	05/02/13 10:25	05/02/13 11:20
440-45337-11	PR-22-0.5'	Solid	05/02/13 10:31	05/02/13 11:20
440-45337-12	PR-22-2.0'	Solid	05/02/13 10:31	05/02/13 11:20

Job ID: 440-45337-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-45337-1

Comments
No additional comments.

Receipt
The samples were received on 5/2/2013 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoverie for Pb for batch 102455 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Client Sample ID: PR-17-0.5' — **Lab Sample ID: 440-45337-1**
Date Collected: 05/02/13 10:05 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		2.0	0.49	mg/Kg		05/06/13 09:40	05/07/13 13:12	5

Client Sample ID: PR-17-2.0' — **Lab Sample ID: 440-45337-2**
Date Collected: 05/02/13 10:05 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:15	5

Client Sample ID: PR-18-0.5' — **Lab Sample ID: 440-45337-3**
Date Collected: 05/02/13 10:12 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.0		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:17	5

Client Sample ID: PR-18-2.0' — **Lab Sample ID: 440-45337-4**
Date Collected: 05/02/13 10:12 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		2.0	0.49	mg/Kg		05/06/13 09:40	05/07/13 13:19	5

Client Sample ID: PR-19-0.5' — **Lab Sample ID: 440-45337-5**
Date Collected: 05/02/13 10:16 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	240		2.0	0.49	mg/Kg		05/06/13 09:40	05/07/13 13:21	5

Client Sample ID: PR-19-2.0' — **Lab Sample ID: 440-45337-6**
Date Collected: 05/02/13 10:16 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:28	5

Client Sample ID: PR-20-0.5' — **Lab Sample ID: 440-45337-7**
Date Collected: 05/02/13 10:21 — Matrix: Solid
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0	0.49	mg/Kg		05/06/13 09:40	05/07/13 13:30	5

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45337-1

Client Sample ID: PR-20-2.0' — **Lab Sample ID: 440-45337-8**
Date Collected: 05/02/13 10:21 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:31	5

Client Sample ID: PR-21-0.5' — **Lab Sample ID: 440-45337-9**
Date Collected: 05/02/13 10:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:33	5

Client Sample ID: PR-21-2.0 — **Lab Sample ID: 440-45337-10**
Date Collected: 05/02/13 10:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:34	5

Client Sample ID: PR-22-0.5' — **Lab Sample ID: 440-45337-11**
Date Collected: 05/02/13 10:31 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:36	5

Client Sample ID: PR-22-2.0' — **Lab Sample ID: 440-45337-12**
Date Collected: 05/02/13 10:31 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:37	5

Method Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45337-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: PR-17-0.5'

Lab Sample ID: 440-45337-1

Date Collected: 05/02/13 10:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:12	MP	TAL IRV

Client Sample ID: PR-17-2.0'

Lab Sample ID: 440-45337-2

Date Collected: 05/02/13 10:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:15	MP	TAL IRV

Client Sample ID: PR-18-0.5'

Lab Sample ID: 440-45337-3

Date Collected: 05/02/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:17	MP	TAL IRV

Client Sample ID: PR-18-2.0'

Lab Sample ID: 440-45337-4

Date Collected: 05/02/13 10:12

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:19	MP	TAL IRV

Client Sample ID: PR-19-0.5'

Lab Sample ID: 440-45337-5

Date Collected: 05/02/13 10:16

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:21	MP	TAL IRV

Client Sample ID: PR-19-2.0'

Lab Sample ID: 440-45337-6

Date Collected: 05/02/13 10:16

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:28	MP	TAL IRV

Client Sample ID: PR-20-0.5' — **Lab Sample ID: 440-45337-7**
Date Collected: 05/02/13 10:21 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:30	MP	TAL IRV

Client Sample ID: PR-20-2.0' — **Lab Sample ID: 440-45337-8**
Date Collected: 05/02/13 10:21 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:31	MP	TAL IRV

Client Sample ID: PR-21-0.5' — **Lab Sample ID: 440-45337-9**
Date Collected: 05/02/13 10:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:33	MP	TAL IRV

Client Sample ID: PR-21-2.0 — **Lab Sample ID: 440-45337-10**
Date Collected: 05/02/13 10:25 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:34	MP	TAL IRV

Client Sample ID: PR-22-0.5' — **Lab Sample ID: 440-45337-11**
Date Collected: 05/02/13 10:31 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:36	MP	TAL IRV

Client Sample ID: PR-22-2.0' — **Lab Sample ID: 440-45337-12**
Date Collected: 05/02/13 10:31 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102455	05/06/13 09:40	DT	TAL IRV
Total/NA	Analysis	6010B		5			102789	05/07/13 13:37	MP	TAL IRV

Lab Chronicle

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45337-1

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-102455/1-A ^5
Matrix: Solid
Analysis Batch: 102789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.50	mg/Kg		05/06/13 09:40	05/07/13 13:07	5

Lab Sample ID: LCS 440-102455/2-A ^5
Matrix: Solid
Analysis Batch: 102789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102455

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			49.5	45.4		mg/Kg		92	80 - 120		

Lab Sample ID: 440-45337-1 MS
Matrix: Solid
Analysis Batch: 102789

Client Sample ID: PR-17-0.5'
Prep Type: Total/NA
Prep Batch: 102455

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	28		49.5	52.9	F	mg/Kg		50	75 - 125		

Lab Sample ID: 440-45337-1 MSD
Matrix: Solid
Analysis Batch: 102789

Client Sample ID: PR-17-0.5'
Prep Type: Total/NA
Prep Batch: 102455

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	28		49.5	55.6	F	mg/Kg		55	75 - 125	5	20

Metals

Prep Batch: 102455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45337-1	PR-17-0.5'	Total/NA	Solid	3050B	
440-45337-1 MS	PR-17-0.5'	Total/NA	Solid	3050B	
440-45337-1 MSD	PR-17-0.5'	Total/NA	Solid	3050B	
440-45337-2	PR-17-2.0'	Total/NA	Solid	3050B	
440-45337-3	PR-18-0.5'	Total/NA	Solid	3050B	
440-45337-4	PR-18-2.0'	Total/NA	Solid	3050B	
440-45337-5	PR-19-0.5'	Total/NA	Solid	3050B	
440-45337-6	PR-19-2.0'	Total/NA	Solid	3050B	
440-45337-7	PR-20-0.5'	Total/NA	Solid	3050B	
440-45337-8	PR-20-2.0'	Total/NA	Solid	3050B	
440-45337-9	PR-21-0.5'	Total/NA	Solid	3050B	
440-45337-10	PR-21-2.0	Total/NA	Solid	3050B	
440-45337-11	PR-22-0.5'	Total/NA	Solid	3050B	
440-45337-12	PR-22-2.0'	Total/NA	Solid	3050B	
LCS 440-102455/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102455/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45337-1	PR-17-0.5'	Total/NA	Solid	6010B	102455
440-45337-1 MS	PR-17-0.5'	Total/NA	Solid	6010B	102455
440-45337-1 MSD	PR-17-0.5'	Total/NA	Solid	6010B	102455
440-45337-2	PR-17-2.0'	Total/NA	Solid	6010B	102455
440-45337-3	PR-18-0.5'	Total/NA	Solid	6010B	102455
440-45337-4	PR-18-2.0'	Total/NA	Solid	6010B	102455
440-45337-5	PR-19-0.5'	Total/NA	Solid	6010B	102455
440-45337-6	PR-19-2.0'	Total/NA	Solid	6010B	102455
440-45337-7	PR-20-0.5'	Total/NA	Solid	6010B	102455
440-45337-8	PR-20-2.0'	Total/NA	Solid	6010B	102455
440-45337-9	PR-21-0.5'	Total/NA	Solid	6010B	102455
440-45337-10	PR-21-2.0	Total/NA	Solid	6010B	102455
440-45337-11	PR-22-0.5'	Total/NA	Solid	6010B	102455
440-45337-12	PR-22-2.0'	Total/NA	Solid	6010B	102455
LCS 440-102455/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102455
MB 440-102455/1-A ^5	Method Blank	Total/NA	Solid	6010B	102455

Qualifiers

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC

TestAmerica Job ID: 440-45337-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	03-28-13 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013 (0911)

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-104
4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602)
6000 S. Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

#440-45227

Page _____ of _____

Client Name/Address:	Project/PO Number:
AEC 220 E. Truxtun Ave, Bakersfield CA	OCSTC Area Q (Pistol Range
Project Manager: Jon Buck	Phone Number:
Sampler: Peter Anderson	Fax Number:

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: 6010B	Special Instructions
PR-17-0.5'	Soil	4oz Jar	1	5-2-13	1005		X	
PR-17-2.0'	"	"	"	"	1005		X	
PR-18-0.5'					1013		X	
PR-18-2.0'					1012		X	
PR-19-0.5'					1016		X	
PR-19-2.0'					1016		X	
PR-20-0.5'					1021		X	
PR-20-2.0'					1021		X	
PR-21-0.5'					1025		X	
PR-21-2.0'					1025		X	
PR-22-0.5'					1031		X	
PR-22-2.0'	"	"	"	"	1031		X	

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
AEC	5-2-13 1120			same day _____ 72 hours _____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours _____ 5 days _____
				48 hours _____ normal _____
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
			5/2/13 1120	intact ✓ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

5.1/4.7

Login Sample Receipt Checklist

Client: Advanced Environmental Concepts Inc

Job Number: 440-45337-1

Login Number: 45337

List Source: TestAmerica Irvine

List Number: 1

Creator: Avila, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	Peter Anderson
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-45493-1
Client Project/Site: OCSTC/Pistol Range

For:
Advanced Environmental Concepts Inc
220 E. Truxtun Ave.
Bakersfield, California 93305

Attn: Jonathan Buck



Authorized for release by:
5/9/2013 2:47:08 PM

Lena Davidkova, Project Manager I
lena.davidkova@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-45493-1	PR-15-0.5'	Solid	05/01/13 15:05	05/02/13 11:20
440-45493-2	PR-15-2.0'	Solid	05/01/13 15:05	05/02/13 11:20
440-45493-3	PR-16-0.5'	Solid	05/01/13 15:17	05/02/13 11:20
440-45493-4	PR-16-2.0'	Solid	05/01/13 15:17	05/02/13 11:20
440-45493-5	PR-23-0.5'	Solid	05/02/13 09:36	05/02/13 11:20
440-45493-6	PR-23-2.0'	Solid	05/02/13 09:36	05/02/13 11:20
440-45493-7	PR-24-0.5'	Solid	05/02/13 06:42	05/02/13 11:20
440-45493-8	PR-24-2.0'	Solid	05/02/13 06:42	05/02/13 11:20
440-45493-9	PR-25-0.5'	Solid	05/02/13 09:51	05/02/13 11:20
440-45493-10	PR-25-2.0'	Solid	05/02/13 09:51	05/02/13 11:20

Job ID: 440-45493-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-45493-1

Comments
No additional comments.

Receipt
The samples were received on 5/2/2013 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

Metals
Method(s) 6010B: The following sample(s) was diluted due to the nature of the sample matrix: PR-15-2.0' (440-45493-2). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Client Sample ID: PR-15-0.5' — **Lab Sample ID: 440-45493-1**
Date Collected: 05/01/13 15:05
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.4		2.0	0.50	mg/Kg		05/06/13 16:10	05/07/13 18:44	5

Client Sample ID: PR-15-2.0' — **Lab Sample ID: 440-45493-2**
Date Collected: 05/01/13 15:05
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7		4.0	1.0	mg/Kg		05/06/13 16:10	05/07/13 19:54	10

Client Sample ID: PR-16-0.5' — **Lab Sample ID: 440-45493-3**
Date Collected: 05/01/13 15:17
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		2.0	0.50	mg/Kg		05/06/13 16:10	05/07/13 18:55	5

Client Sample ID: PR-16-2.0' — **Lab Sample ID: 440-45493-4**
Date Collected: 05/01/13 15:17
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0	0.50	mg/Kg		05/06/13 16:10	05/07/13 18:57	5

Client Sample ID: PR-23-0.5' — **Lab Sample ID: 440-45493-5**
Date Collected: 05/02/13 09:36
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	240		2.0	0.49	mg/Kg		05/06/13 16:10	05/07/13 18:58	5

Client Sample ID: PR-23-2.0' — **Lab Sample ID: 440-45493-6**
Date Collected: 05/02/13 09:36
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		2.0	0.49	mg/Kg		05/06/13 16:10	05/07/13 19:00	5

Client Sample ID: PR-24-0.5' — **Lab Sample ID: 440-45493-7**
Date Collected: 05/02/13 06:42
Date Received: 05/02/13 11:20
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1700		2.0	0.50	mg/Kg		05/06/13 16:10	05/07/13 19:02	5

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Client Sample ID: PR-24-2.0' — **Lab Sample ID: 440-45493-8**
Date Collected: 05/02/13 06:42 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		2.0	0.50	mg/Kg		05/06/13 16:10	05/07/13 19:04	5

Client Sample ID: PR-25-0.5' — **Lab Sample ID: 440-45493-9**
Date Collected: 05/02/13 09:51 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.7		2.0	0.51	mg/Kg		05/06/13 16:10	05/07/13 19:05	5

Client Sample ID: PR-25-2.0' — **Lab Sample ID: 440-45493-10**
Date Collected: 05/02/13 09:51 — **Matrix: Solid**
Date Received: 05/02/13 11:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	68		2.0	0.49	mg/Kg		05/06/13 16:10	05/07/13 19:07	5

Method Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client Sample ID: PR-15-0.5'

Lab Sample ID: 440-45493-1

Date Collected: 05/01/13 15:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 18:44	TK	TAL IRV

Client Sample ID: PR-15-2.0'

Lab Sample ID: 440-45493-2

Date Collected: 05/01/13 15:05

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		10			102903	05/07/13 19:54	TK	TAL IRV

Client Sample ID: PR-16-0.5'

Lab Sample ID: 440-45493-3

Date Collected: 05/01/13 15:17

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 18:55	TK	TAL IRV

Client Sample ID: PR-16-2.0'

Lab Sample ID: 440-45493-4

Date Collected: 05/01/13 15:17

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 18:57	TK	TAL IRV

Client Sample ID: PR-23-0.5'

Lab Sample ID: 440-45493-5

Date Collected: 05/02/13 09:36

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 18:58	TK	TAL IRV

Client Sample ID: PR-23-2.0'

Lab Sample ID: 440-45493-6

Date Collected: 05/02/13 09:36

Matrix: Solid

Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 19:00	TK	TAL IRV

Lab Chronicle

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Client Sample ID: PR-24-0.5'

Lab Sample ID: 440-45493-7

Date Collected: 05/02/13 06:42
Matrix: Solid
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 19:02	TK	TAL IRV

Client Sample ID: PR-24-2.0'

Lab Sample ID: 440-45493-8

Date Collected: 05/02/13 06:42
Matrix: Solid
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 19:04	TK	TAL IRV

Client Sample ID: PR-25-0.5'

Lab Sample ID: 440-45493-9

Date Collected: 05/02/13 09:51
Matrix: Solid
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 19:05	TK	TAL IRV

Client Sample ID: PR-25-2.0'

Lab Sample ID: 440-45493-10

Date Collected: 05/02/13 09:51
Matrix: Solid
Date Received: 05/02/13 11:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.03 g	50 mL	102557	05/06/13 16:10	CH	TAL IRV
Total/NA	Analysis	6010B		5			102903	05/07/13 19:07	TK	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-102557/1-A ^5
Matrix: Solid
Analysis Batch: 102903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.49	mg/Kg		05/06/13 16:10	05/07/13 18:39	5

Lab Sample ID: LCS 440-102557/2-A ^5
Matrix: Solid
Analysis Batch: 102903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102557

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			49.3	46.2		mg/Kg		94	80 - 120		

Lab Sample ID: 440-45493-1 MS
Matrix: Solid
Analysis Batch: 102903

Client Sample ID: PR-15-0.5'
Prep Type: Total/NA
Prep Batch: 102557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	6.4		50.3	48.4		mg/Kg		84	75 - 125		

Lab Sample ID: 440-45493-1 MSD
Matrix: Solid
Analysis Batch: 102903

Client Sample ID: PR-15-0.5'
Prep Type: Total/NA
Prep Batch: 102557

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6.4		49.3	47.8		mg/Kg		84	75 - 125	1	20

Metals

Prep Batch: 102557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45493-1	PR-15-0.5'	Total/NA	Solid	3050B	
440-45493-1 MS	PR-15-0.5'	Total/NA	Solid	3050B	
440-45493-1 MSD	PR-15-0.5'	Total/NA	Solid	3050B	
440-45493-2	PR-15-2.0'	Total/NA	Solid	3050B	
440-45493-3	PR-16-0.5'	Total/NA	Solid	3050B	
440-45493-4	PR-16-2.0'	Total/NA	Solid	3050B	
440-45493-5	PR-23-0.5'	Total/NA	Solid	3050B	
440-45493-6	PR-23-2.0'	Total/NA	Solid	3050B	
440-45493-7	PR-24-0.5'	Total/NA	Solid	3050B	
440-45493-8	PR-24-2.0'	Total/NA	Solid	3050B	
440-45493-9	PR-25-0.5'	Total/NA	Solid	3050B	
440-45493-10	PR-25-2.0'	Total/NA	Solid	3050B	
LCS 440-102557/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 440-102557/1-A ^5	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-45493-1	PR-15-0.5'	Total/NA	Solid	6010B	102557
440-45493-1 MS	PR-15-0.5'	Total/NA	Solid	6010B	102557
440-45493-1 MSD	PR-15-0.5'	Total/NA	Solid	6010B	102557
440-45493-2	PR-15-2.0'	Total/NA	Solid	6010B	102557
440-45493-3	PR-16-0.5'	Total/NA	Solid	6010B	102557
440-45493-4	PR-16-2.0'	Total/NA	Solid	6010B	102557
440-45493-5	PR-23-0.5'	Total/NA	Solid	6010B	102557
440-45493-6	PR-23-2.0'	Total/NA	Solid	6010B	102557
440-45493-7	PR-24-0.5'	Total/NA	Solid	6010B	102557
440-45493-8	PR-24-2.0'	Total/NA	Solid	6010B	102557
440-45493-9	PR-25-0.5'	Total/NA	Solid	6010B	102557
440-45493-10	PR-25-2.0'	Total/NA	Solid	6010B	102557
LCS 440-102557/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	102557
MB 440-102557/1-A ^5	Method Blank	Total/NA	Solid	6010B	102557

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Advanced Environmental Concepts Inc
Project/Site: OCSTC/Pistol Range

TestAmerica Job ID: 440-45493-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	03-28-13 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

project # 440084490

ASSOCIATED LABORATORIES
806 North Batavia • Orange, CA 92868
Phone: (714) 771-6900 • Fax: (714) 538-1209

Advanced Environmental Concepts

Lab Job No. _____
Page _____ of _____

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	AEC	PROJECT NAME:	OCSTC
SEND REPORT TO:	Peter Anderson/Jon Buck	NUMBER:	Pistol Range
EMAIL:		ADDRESS:	Area Q
ADDRESS:			
		P.O. #:	
PHONE:		SAMPLED BY:	PA/JB

ANALYSIS REQUEST: 6010B

440-454493

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	Test Instructions & Comments
1	PR-15-0.5'	5-1-13	1505	Soil	1	NA	
2	PR-15-2.0'	"	1505	"	"		
3	PR-16-0.5'	"	1517	"	"		
4	PR-16-2.0'	"	1517	"	"		
5							
6	PR-23-0.5'	5-2-13	0936	Soil	1		
7	PR-23-2.0'	"	0936	"	"		
8	PR-24-0.5'	"	0942	"	"		
9	PR-24-2.0'	"	0942	"	"		
10	PR-25-0.5'	"	0951	"	"		
11	PR-25-2.0'	"	0951	"	"		
12							
13							
14							
15							

Pb, Ni
5/9/13
SA

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Peter Anderson	Printed Name: TIM S.	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 5-2-13 Time: 1120	Date: 5/2/13 Time: 1120	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

5.1/4.7

5/9/2013

Login Sample Receipt Checklist

Client: Advanced Environmental Concepts Inc

Job Number: 440-45493-1

Login Number: 45493

List Source: TestAmerica Irvine

List Number: 1

Creator: Freitag, Kevin R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	PA/JB
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ENVIRO-TOX services, inc.

REPORT

HUMAN AND ECOLOGICAL RISK ASSESSMENT FORMER ORANGE COUNTY SHOOTING AND TRAINING CENTER ORANGE COUNTY, CALIFORNIA

Prepared for

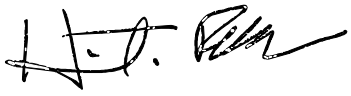
Advanced Environmental Concepts, Inc.
220 East Truxtun Avenue
Bakersfield, California 93305

May 28, 2015

Prepared by

Enviro-Tox Services, Inc.
20 Corporate Park, Suite 220
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This report has been prepared for the exclusive use of The Irvine Company as it pertains to the real estate property known as the former Orange County Shooting and Training Center in Orange County, California. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other scientists, geologists and engineers practicing in this field. No other warranty, expressed or implied, is made as to the professional advice presented in this report.



Heriberto Robles, Ph.D., D.A.B.T.
Board Certified Toxicologist
Enviro-Tox Services, Inc.

May 28, 2015

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1.0 INTRODUCTION

1.1 BACKGROUND

The Orange County Shooting and Training Center (OCSTC) leased the Subject Property from The Irvine Company and operated shooting ranges at the Hicks Canyon location up until its closure in 1995. The facility was divided into three primary ranges; the Rifle Range located within west Hicks Canyon, the Skeet Range at East Hicks Canyon, and the Pistol Range located immediately south of the Skeet Range.

OCSTC vacated the Subject Property in 1995 and portions of the former shooting ranges have subsequently been leased to other tenants. The former Rifle Range is now occupied by Griffith Construction and SoCal Sandbags. Griffith Construction operates a concrete crushing and aggregate yard and SoCal Sandbags uses the site as a storage and staging area for erosion control supplies. Significant grading has occurred in the area of the present day tenants; however, the surrounding hills remain largely undeveloped with the exception of the Eastern Transportation Corridor (241 Toll Road) having been constructed approximately 1,000-feet north of the former rifle range.

The area of the former Pistol Range is now occupied by Irvine Valencia Growers (IVG), a subsidiary of The Irvine Company which operates the agricultural properties. The former impact berms were level-graded to form a large building pad on which the IVG maintenance yard and farm-related structures are located. The adjacent to hills have remained undeveloped with the exception of the Eastern Transportation Corridor having been constructed approximately 1,000-feet southeast of the former Pistol Range.

The area of the former Skeet Range and portions of the former Pistol Range have been investigated by Advanced Environmental Concepts, Inc. (AEC). In March 1996, AEC collected soil samples at fifty locations at depths ranging between surface to 1.5 feet below ground surface (bgs). The samples were collected within the Skeet Range and analyzed for total lead. Analytical results indicated that lead concentrations up to 64,900 milligrams per kilogram (mg/kg) were encountered onsite. This exceeded the Total Threshold Limit Concentration (TTLC) of 1,000 mg/kg and the decision was made to excavate the impacted soil. Following the sampling, approximately 1,240 cubic yards of soil were excavated and stockpiled pending remediation and/or disposal at an approved offsite facility. Initial removals were made to an approximate depth of 8-inches, however; confirmation sampling required that seven locations be excavated to a depth of 12-inches below ground surface (bgs).

AEC returned to the site in May 2000 to remove the lead-impacted soil that was stockpiled during the 1996 site remediation. Upon AECs review of the site it became apparent that the original stockpile had been moved to the center of the recently created leased-Nakae Yard and

had been mixed with miscellaneous construction debris. In June 2000, AEC segregated the soil from the construction debris and transported approximately 238 tons of lead-impacted soil to the US Ecology's waste facility in Beatty, Nevada.

In February of 2002, AEC sampled 13 locations within the Nakae Yard to evaluate current residual lead concentrations in surface soils. Soil collected from three sampling locations contained lead at concentrations that exceeded the STLC threshold of 5 milligrams per liter (mg/L). The three locations were excavated and sampled to depths of approximately 5-feet bgs in order to identify the extent of the lead-impacted soils. AEC observed the removal of approximately 207 tons of lead-impacted soil from the site. Again, the impacted soil was transported to the US Ecology waste facility in Beatty, Nevada. A request for final closure for the Skeet Range dated October 2, 2002 was submitted to the Orange County Health Care Agency (OCHCA).

In February of 2003 AEC collected samples from three soil mounds that formed the shooting corridor and down-range impact zone for the Pistol Range immediately south of the former Skeet Range. The samples were analyzed for total lead and results indicated that the down-range impact berm had lead concentrations of up to 40,400 mg/kg, which exceeds the TTLC of 1,000 mg/kg. Analytical results for the two soil berms acting as the shooting corridor were 10 and 19.6 mg/kg for total lead. AEC recommended that 2-feet of soil be removed from the face of the down-range impact berm and stockpiled onsite for disposal. Subsequent to removals AEC returned to the site on March of 2003 and collected eight confirmation samples along the berm for additional analysis. Lead concentrations ranged from 21.5 to 168 mg/kg, which is below the TTLC of 1,000 mg/kg.

During May 2013, AEC conducted soil sampling within the former Pistol and Rifle Ranges. AEC geologists collected 32 soil samples from 16 locations at the former Rifle Range and 50 soil samples from 25 locations at the former Pistol Range on a pre-determined grid basis. The soil samples were collected at depths of 0.5 feet and 2.0 feet bgs and analyzed for Total Lead by EPA Method 6010B. Three locations were identified as having Total Lead concentrations exceeding the industrial Regional Screening Level (RSL) value of 800 mg/kg. All soil lead data collected by AEC are summarized in Tables 1 and 2.

1.2 SITE DESCRIPTION

The former OCSTC is located at the northern termination of Jeffrey Road within Hicks Canyon, north of the Bee Canyon Access Road. The surrounding area is largely undeveloped with scattered agricultural fields. The area of the former OCSTC is currently occupied by agricultural and construction maintenance and storage yards as well as field offices. The land is owned by the Irvine Community Development Company (ICDC) and is currently leased to SoCal Sandbags, Griffith Construction and IVG. Significant grading has occurred subsequent to the OCSTC closure to form level-graded pads for the current lease areas.

1.3 REGIONAL GEOLOGY

The property is located in the Peninsular Range geomorphic province of Southern California, within the foothills of the Santa Ana Mountains, immediately north of the Tustin Plain. The Santa Ana Mountains are formed by Tertiary-aged sedimentary rocks overlying crystalline bedrock of the Peninsular Range Batholith. A majority of the subject site lies within the Hicks Canyon Wash, an ephemeral drainage which is underlain by Quaternary aged alluvium and slope wash material. Bedrock of the early-Miocene aged Vaqueros and Sespe formations form the foothills of the Santa Ana Mountains and consist of shallow marine sedimentary deposits.

1.4 STATISTICAL ANALYSIS

A statistical analysis of soil lead data was conducted to define the statistical distribution of the data, the mean concentration, standard deviation, coefficient of variability, the 95 percent upper confidence limit on the mean concentration (95UCL) and the maximum concentration detected.

The statistical analysis of soil lead data was conducted using the USEPA developed software ProUCL (Version 5.0; Singh and Maichle, 2013). ProUCL was chosen because it was specifically developed to evaluate environmental data and it calculates multiple types of confidence limits. According to ProUCL, the 95UCL soil lead concentration at the site is 1,672 mg/kg. The ProUCL printout showing the 95UCLs estimated for lead in soil is included in Appendix A.

For this evaluation, the 95UCL soil lead concentration was selected as the representative soil lead concentration in accordance with USEPA and DTSC (2013) risk assessment guidance. The USEPA (1992) recommends that the one-sided upper 95UCL be used as an upper bound chemical concentration that can be expected at a site. The 95UCL provides reasonable confidence that the true site average will not be underestimated (USEPA, 1992). According to the USEPA (1989) and DTSC (2013), risk assessment exposure concentrations should use the 95UCL as exposure point concentrations unless the 95UCL exceeds the maximum detected concentration. When the 95UCL exceeds the maximum detected concentration, the maximum detected concentration is used as the upper limit exposure concentration (USEPA, 1989). The 95UCL can exceed the maximum detected concentration for several reasons, including small sample sizes and large sample variances.

The statistical parameters obtained from the soil lead data are:

Statistical Parameter	Lead
Number of Samples	123
Number of Detections	123
Number of Non-detected	0

Detection Frequency	100 %
Minimum detected value	2.3 mg/kg
Maximum detected value	21,300 mg/kg
Mean concentration	666 mg/kg
Median	65 mg/kg
Standard Deviation	2,559
Skewness	6.109
Coefficient of Variation	3.841
95UCL	1,672 mg/kg

2.0 HUMAN HEALTH RISK ASSESSMENT

The traditional approach to the risk evaluation of chemicals is not applied to lead because quantitative toxicity criteria have not been established by regulatory agencies for lead. The United States Environmental Protection Agency (USEPA) has stated that the evaluation of lead through the traditional toxicity value approach is not applicable to lead because of incomplete knowledge of the complex physiological dynamics of lead in the body (USEPA, 2009). Therefore, alternative methods have been developed to evaluate potential health risks associated with environmental exposure to lead (including lead in respirable dust). These methods are based on establishing a target blood-lead level that is not expected to result in toxicity.

The target level approach developed for evaluating lead is considered appropriate because toxicity effects are typically observed for inorganic lead above a certain blood-lead level. Exposure-route-specific (e.g., ingestion, dermal contact) blood-lead slope factors have been developed for inorganic lead that relate daily exposure to lead in micrograms per day (ug/day) with resulting increase in blood-lead levels in units of micrograms of lead per deciliter of blood (ug/dL).

While blood-lead concentrations are generally accepted as the best measure of the external dose of lead (NAS, 1980), the threshold level below which no toxicity is expected has been the subject of considerable scrutiny. The most serious effects associated with elevated blood-lead levels are neurotoxic effects. For adults, such damage typically does not occur until blood-lead levels exceed 50 ug/dL. However, other observable effects of elevated blood-lead levels occur at levels as low as 15 to 30 ug/dl (elevation of the enzyme erythrocyte protoporphyrin; USEPA, 1986). Increased blood pressure has also been suggested to be due to blood-lead levels as low as 7 to 10 ug/dl in white males aged 40 to 59 (USEPA, 1986). Neurological impairment (e.g., effects on IQ) has been seen in children at similar blood-lead levels.

In 2007, CalEPA's Office of Environmental Health Hazard Assessment (OEHHA) developed a new toxicity evaluation of lead replacing the 10 ug/dL threshold blood concentration with a source-specific "benchmark change" of one µg/dL (http://oehha.ca.gov/public_ info/public/kids/pdf/PbHGV041307.pdf). One ug/dL is the estimated incremental increase in children's blood lead that would reduce IQ by up to 1 point. For this evaluation, soil lead concentrations are estimated such that exposure under site-specific conditions do not cause an increase in the blood lead concentration by more than 1 ug/dL in the exposed population.

2.1 EXPOSURE MODELS

Mathematical models have been developed to estimate blood-lead levels based on total lead (including lead in dust) uptake from exposures by diet, drinking water, air, and soil. The USEPA

does not have a model to simulate lead uptake by adult receptors. However, the DTSC has developed a methodology for estimating blood lead concentrations that might result from a given set of exposure conditions (http://www.dtsc.ca.gov/AssessingRisk/leadspread.cfm). In fact, the DTSC has developed a spreadsheet that can be used to estimate blood lead levels based on the exposure characteristics of the receptor and the lead (including lead in respirable dust) concentration in environmental media. The latest version of the DTSC's spreadsheet model, Leadspread Version 8, has been used in this evaluation.

The Leadspread model is designed to use either site-specific or default intake values for exposure pathways, and user-supplied concentrations for lead in air, water, soil, and homegrown produce (if applicable). The model then calculates resulting blood-lead levels that correspond to the mean, 95th, and 99th percentiles of the general population. Because the model calculates a mean blood-lead concentration and then statistically extrapolates that to 95th and 99th percent confidence limits, the model is only accurate when average intake assumptions are used (DTSC, 2009). Therefore, the intake assumptions used for onsite receptors potentially exposed to lead in respirable dust are based on average or typical exposure conditions. More details are presented below.

2.2 EXPOSURE ASSUMPTIONS

The Irvine Company is planning on removing all structures from the Subject Property and restoring the site to its natural condition.

Given that the Subject Property will be dedicated to open space and ecological reserve area, the site will not have permanent residents. The only potential receptors whom may come in contact with site-related chemicals are visitors hiking along walking trails that might cross the site in the future. Exposure parameters used to characterize hypothetical recreational receptors (hikers) are presented in Table 3.

The hypothetical recreational receptors were deemed to have the potential to come in contact with site-related chemicals through the inhalation of ambient air and direct contact with soil. Ambient air may become impacted by airborne dust, therefore the inhalation of dust is considered to be a complete exposure pathway. Recreational receptors may also come in contact with superficial soils when conducting outdoor activities. Therefore, the incidental ingestion and dermal contact with impacted soil is considered to be a complete exposure pathway.

It is safe to assume that the recreational receptors will receive their drinking water from municipal sources and will not depend on surface water or groundwater wells for their water needs. Therefore, the surface water and groundwater exposure pathway are not considered to be complete exposure pathways for onsite receptors.

2.3 RISK CHARACTERIZATION

The following section discusses the results of the lead exposure modeling scenario evaluated for the hypothetical recreational receptors. Because the Leadspread model presents blood-lead levels resulting from multi-pathway exposure, this discussion focuses on the estimated blood lead level that might result from multipathway exposures and not only to exposure to dust and soil.

According to the Leadspread model and the intake assumptions and exposure point concentrations used, onsite recreational receptors are not expected to be at risk from exposure to site-related lead in soil or dust. The estimated 99th percentile target blood-lead levels for children exposed to site-related lead was 0.5 ug/dl (Table 3).

2.4 CONCLUSIONS AND RECOMMENDATIONS

In conclusion, exposure time and intensity for future recreational receptors walking through the site are expected to be very low to insignificant; thus, recreational receptors are expected to have low intakes of site-related lead. The maximum expected blood-lead increment is estimated to be 0.5 ug/dL of blood. This increment is expected to result from hiking or walking through the site. This estimated value is within levels considered acceptable by California health and environmental protection agencies. Therefore, results of the risk evaluation indicate that exposures to lead in soil, at average concentrations, do not pose a health threat to recreational receptors.

Based on the results of this evaluation, no further remediation is deemed necessary at the site as long as the future land use remains open land. In the event that the land use was to change, potential health risks and hazards posed by the alternate land use scenario should be property evaluated in a Human Health Risk Assessment.

3.0 SCREENING-LEVEL ECOLOGICAL RISK ASSESSMENT

3.1 INTRODUCTION

A Screening-Level Ecological Risk Assessment (SLERA), as defined by the DTSC (1996), is a qualitative and/or quantitative appraisal of the potential effects an impacted site might have on plants and animals other than people and domesticated species. This section describes the tasks required to conduct a screening-level evaluation of the potential adverse effects that lead in soil at the site may have on ecological receptors. The primary guidance followed for the development of the SLERA was the "Guidance for Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities" (DTSC 1996).

3.2 EXPOSURE ASSESSMENT

The Exposure Assessment section of the SLERA evaluates the potential for chemicals detected at the Site to migrate to locations where ecological receptors may be exposed. The potential chemical sources, release mechanisms, exposure media and potential receptors evaluated in this SLERA are presented in the Ecological Conceptual Site Model (ECSM) developed for the site (see Figure 2). The ECSM integrates the exposure pathways judged to be potentially complete with the potentially exposed ecological receptors to focus the ecological assessment on critical ecological components and functions. The ECSM also identifies complete exposure pathways that might exist at the Site (a complete exposure pathway is one in which the chemical can be traced or expected to travel from the source to a receptor).

An exposure pathway is considered complete when all four of the following elements are present:

- A site-related source of a chemical;
- A mechanism of release of the chemical from the source to the environment;
- A mechanism of transport of the chemical to the receptor exposure point; and
- A route by which the receptor is exposed to the chemical.

A quantitative exposure analysis was performed in the SLERA for the potentially complete exposure pathways identified for ecological receptors at the Site. Only potentially complete and significant pathways were considered relevant in the SLERA, as there can be no effects without exposure.

3.2.1 Potential Exposure Pathways

The ECSM illustrates the potential chemical exposure scenarios relevant to ecological receptors at the Site and depicts site-specific transport pathways (Figure 2). Available site information, including soil data collected by AEC and professional judgment were used to determine the completeness and importance of these pathways. In the ECSM, the importance of each exposure route is represented by a red circle for potentially complete and significant pathways, by a hollow circle for complete, but minor pathways, and by the letters "IC" for incomplete pathways.

Although several potentially complete exposure pathways may exist at a site, not all pathways are comparable in magnitude or significance. The significance of a pathway as a mode of exposure depends on the identity and nature of the chemicals present and the magnitude of the likely exposure dose. For wildlife receptors, ingestion is usually the most significant exposure pathway. Food web exposures become significant only for chemicals with a tendency to bioaccumulate or biomagnify. Incidental ingestion of soil is also considered in the evaluation for wildlife, but this exposure pathway is expected to contribute far less to the overall dose than food consumption for most chemicals (USEPA 2005). The inhalation of volatile organic compounds in soil is an important exposure pathway for burrowing animals. However, lead is not volatile at ambient temperatures.

For lead in soil at the Site, root uptake or direct contact are potentially complete exposure pathways for both terrestrial plants and soil invertebrates, respectively, and incidental soil ingestion is another exposure pathway for soil invertebrates. The potentially complete pathways for birds and mammals include direct contact with and incidental ingestion of soil and consumption of dietary items (e.g., prey).

Dermal contact refers to the physiochemical mechanisms involved in soil to skin contact transfer. This potentially complete pathway is difficult to quantify due to the barriers offered by fur and feathers and the paucity of data available to develop dermal absorption factors for many chemicals in soil.

Chemicals in subsurface soils at the Site may leach into groundwater, which is generally inaccessible to ecological receptors and is considered a medium of exposure only after it exits the ground and discharges to the surface. Groundwater and groundwater discharge to surface water exposure pathways are considered to be incomplete for onsite ecological receptors since there are no surface water bodies at the Site.

In summary, complete exposure pathways for ecological receptors (both plants and animals) were identified and evaluated in the SLERA. Potentially complete exposure pathways resulting in receptor contact may include contact with soils, soil ingestion and food-chain transfer.

3.2.2 Exposure Point Concentrations

The exposure point concentration (EPC) is the concentration of a chemical in a specific environmental medium at the point of contact with a receptor. For example, the EPC for ecological receptors in contact with soil (i.e., plants and invertebrates) is estimated as a function of the chemical concentration measured in soil (e.g., in mg/kg). Since the objective of this SLERA is to assess potential risks posed by lead in soil to ecological populations, the 95UCL soil lead concentration was used as the EPCs. The use of the 95UCL is justified since ecological receptors forage over a wide area and are exposed to average concentrations.

3.2.3 Assessment and Measurement Endpoints

An assessment endpoint can be defined as the environmental attributes considered being critical to the function of the biological community or population and are the ultimate focus of the ecological risk assessment. A measurement endpoint can be defined as the measurable observable change that is used to evaluate the effects of the chemicals of concern on the selected assessment endpoints.

An assessment endpoint is a characteristic of an ecological component (e.g., increased plant mortality, animal reproductive or developmental impairment) that may be affected by exposure to a chemical contaminant. The assessment endpoints for this evaluation are the protection of ecological receptors that may live or visit the Subject Property in the future.

3.2.4 Representative Species

The functional groups included in the assessment included primary producers, primary consumers, and secondary consumers. In an effort to simplify the analysis, only upper level mammal and avian consumers were selected for the evaluation. The representative species selected for this assessment are the California ground squirrel (*Spermophilus beecheyi*) and the Northern Harrier (*Circus cyaneus*). These species were conservatively selected based upon availability of toxicity and life history data, likely occurrence in the site, and relatively high exposure potentials compared to other species.

Plants and invertebrates form the basis of the food chain in the Subject Property and provide the primary link from soil lead to higher life forms. Grass, forbs, shrubs and trees are expected to provide forage for herbivores and omnivores at the site once the area is redeveloped into open space land. Likewise, invertebrates are expected to be important prey for many animals in the future.

3.3 TOXICITY ASSESSMENT

The potential for adverse effects on vertebrates are usually conducted by estimating the potential chemical doses that may be absorbed by a given receptor and then comparing the absorbed dose

to reference doses. Reference doses are chemical doses known to produce no adverse effect on animal species even if exposures were to last a lifetime. Reference doses selected for vertebrates were the Toxicity Reference Values (TRVs). TRVs are screening level benchmark values for higher trophic-level receptors such as birds and mammals. A TRV is a daily dose level resulting in no known biological effects on laboratory animals. Mammal and avian TRVs were obtained from USEPA's Terrestrial Toxicity Reference Values (TRV) manual (USEPA 1999).

Each TRV represents a critical exposure level from a toxicological study and is supported by a data set of toxicological exposures and effects. A low TRV is a conservative value consistent with a chronic no effect level and represents a value believed to have no adverse effects on wildlife species. A high TRV represents a mid-range of the lowest observable adverse effect level (LOAEL) for a given chemical when the toxicity endpoint was ecologically relevant. In the Risk Characterization section below, site-specific daily maximum doses were compared to the receptor-specific low and high TRVs.

3.4 RISK CHARACTERIZATION

At this step of the SLERA, the potential adverse effects of exposure to chemical stressors on ecological receptors are evaluated. The relationship between the degree of exposure and ecological effects was assessed based on available field measurements and eco-toxicological literature.

The Risk Characterization phase of the SLERA comprises the integration of the results of the exposure and effects assessment to describe the nature and likelihood of the adverse effects associated with exposure to site-related lead in soil.

3.4.1 Hazard Quotient Evaluation for Plants and Invertebrates

Potential threats to plants and invertebrates were quantitatively evaluated by calculating hazard quotients (HQs). The HQ provides a mathematically derived index that expresses the relationship between the predicted EPC and a representative "safe" concentration. If the HQ is larger than 1, that is, exposure is greater than the toxicity-related threshold, the potential for adverse effects to local ecological receptors has to be considered in greater detail. If, on the other hand, the HQ is lower than 1, then adverse effects are not expected. The magnitude of the HQ provides a general indication of the potential for ecological risk for a chemical if a reasonable level of confidence exists in the estimated EPC and the corresponding medium- and receptor-specific benchmark.

The equation used to calculate HQs for plants and invertebrates is presented below:

$$Plant\ and\ Invertebrate\ HQ = \frac{EPC}{Benchmark}$$

Where:

HQ = Hazard Quotient for a specific chemical and receptor (unitless)
EPC = Exposure point concentration for chemicals in soil (mg of chemical per kg of soil)
Benchmark = Screening benchmark representing a safe exposure concentration for the represented ecological receptor (units consistent with EPC)

HQs for plants and invertebrates were calculated using the 95UCL soil lead concentration as the EPC and the Ecological Soil Screening Levels (Eco-SSLs), as the benchmark. Eco-SSLs for this SLERA were obtained from the RAIS website (http://rais.ornl.gov/tools/eco_search.php). The HQ calculated for plants and invertebrates is presented in Table 4.

The results obtained do indicate that plants and invertebrates living within the area impacted by lead in soils could be at risk given that the estimated HQ exceed the value of 1 for both plants and invertebrates. The potential for adverse effects depends upon the amount of chemical present in the soil that is available for uptake (bioavailable) as well as the chemical-specific toxicity. The Subject Property is highly developed and occupied by human-made structures and landscaped areas. According to DTSC (1996) Ecological Risk Assessment guidance, if the results of a scoping-level assessment indicate the potential for adverse effects, the assessment should be followed by a more detailed evaluation. The detailed evaluation should include evaluation of primary consumers and higher-level consumers. Since local birds and mammals may feed on local plants and invertebrates, the potential health threat to birds and mammals were evaluated in the section below.

3.4.2 Hazard Quotient Evaluation for Vertebrates

The evaluation of health threats to birds and mammals focused on exposures through the ingestion pathway, consisting of incidental ingestion of soils during feeding and ingestion of food contaminated as a result of uptake of chemicals in soil. Other pathways (inhalation of particulates and dermal contact) were not evaluated in this SLERA. The inhalation pathway is difficult to evaluate because data are limited regarding toxicity and exposure factors. However, exposure through this pathway is expected to be low compared to ingestion. Dermal exposure routes were not addressed quantitatively because dermal exposure is expected to contribute a very minor percentage of total risk and because limited data exist concerning exposure and absorption rates.

Food chain modeling was conducted to estimate chemical doses (or the site-specific concentrations of chemicals ingested by vertebrate ecological receptors). Doses were estimated

using realistic ecological exposure scenarios for selected receptors and pathways. For example, direct soil ingestion by ground squirrels was estimated.

Doses were calculated using average to "worst-case" exposure conditions as well as the 95UCL soil lead concentration. For higher trophic animals (such as the northern harrier), dose calculation included estimated concentrations of chemicals in prey.

Potential health threats to vertebrates were evaluated based on the HQ approach. In the HQ approach, site-specific daily doses determined through food chain modeling were compared to TRVs. TRVs are screening level benchmark values for higher trophic-level receptors such as birds and mammals. A TRV is a daily dose level resulting in known biological effects on laboratory animals. Mammal and avian TRVs were obtained from the USEPA's Environmental Restoration Division, Terrestrial Toxicity Reference Values (USEPA 1999).

Site-specific daily dose estimates were compared to high- and low-TRVs to estimate the potential adverse biological effects on each receptor. Based on this comparison, the potential threat to representative receptors was characterized. This comparison was performed in a manner consistent with USEPA's HQ methodology as follows (USEPA 1997):

$$\textit{Vertebrate}\ \mathrm{HQ} = \frac{\mathrm{Dose}}{\mathrm{TRV}} = \frac{(\mathrm{mg/kg/day})}{(\mathrm{mg/kg/day})}$$

Where:

HQ	=	Hazard quotient (unitless)
Dose	=	Chemical-, receptor-, and site-specific daily dose estimate (mg/kg/day)
TRV	=	Chemical- and receptor-specific toxicity reference value (mg/kg/day)

Vertebrate HQs are used to estimate the level of threat posed to vertebrate receptors from the site-specific maximum total daily dose of lead. Site-specific daily maximum doses were compared to the receptor-specific low and high TRV (HQ low and HQ high).

Tissue samples were not collected as part of the SLERA. Therefore, estimates of chemical concentrations in tissue were only based on results of food-chain modeling.

In an effort to account for the relatively low area of the lead-impacted area and the fact that both mammals and birds have large foraging areas, it was assumed that ground squirrels receive 10 percent of their diet from the site. For the northern harrier, it was assumed the birds receive only 1-percent of their diet from the site. For each receptor, exposure was assessed within the context of the following linear food chains:

Soil → Plants → Small Mammals → Northern Harrier
Soil → Plants → California Ground Squirrel

The following equations were used to estimate daily doses to the representative receptors serving as measurement endpoints:

$$\text{Northern Harrier Dose} = (\text{SUF})\frac{[(C_{\text{sm mammal}})(\text{IR}) + (C_{\text{soil}})(\text{IR})]}{\text{BW}}$$

$$\text{California Ground Squirrel Dose} = (\text{SUF})\frac{[(C_{\text{plant}})(\text{IR}) + (C_{\text{soil}})(\text{IR})]}{\text{BW}}$$

Where:

Dose	=	In milligrams per kilogram per day (mg/kg/day)
C_{soil}	=	Concentration of COPEC in soil (mg/kg)
$C_{sm\ mammal}$	=	(C_{soil})(small mammal BAF) (unitless)
BAF	=	Bioaccumulation factor (unitless)
C_{plant}	=	(C_{soil})(plant BAF) (unitless)
IR	=	Ingestion rate (of prey items or soil ingested per day) (kilograms per day [kg/day])
BW	=	Body weight of receptor species (kilograms)
SUF	=	Site use factor to account for amount of time that the organism spends using the SHP and MP sites based on site area and receptor home range; assumed to be 1.0 for all receptors.

Because of the conservative nature of the SLERA, all receptors were considered to be exposed to the 95UCL soil lead concentration 100 percent of the time (SUF = 1). Because the goal of the SLERA is protection of populations rather than individuals, average parameters such as body weight and ingestion rate were used to calculate the total daily doses. Dose parameter inputs for each receptor are discussed in detail below.

3.4.3 Northern Harrier Dose Calculation Parameters

Protection of the survival, growth, and reproduction of carnivorous birds was identified as an assessment endpoint. The northern harrier (*Circus cyaneus*) was selected as a surrogate for carnivorous birds. Estimated doses were calculated using food chain modeling. Table 5 summarizes parameters used in dose calculations for the northern harrier.

3.4.4 California Ground Squirrel Dose Calculation Parameters

Protection of reproduction and physiology of herbivorous mammals was identified as an assessment endpoint. The California ground squirrel (*Spermophilus beecheyi*) was selected as potential mammal receptor for herbivorous mammals. Estimated doses were calculated using food chain modeling. Table 6 summarizes the parameters used in dose calculations for the squirrel.

Vertebrate Hazard Quotients

Site-specific daily dose estimates were compared to high- and low-TRVs to estimate the potential adverse biological effects on each receptor. Based on this comparison, the potential threat to representative receptors was characterized; this comparison was performed in a manner consistent with USEPA's HQ methodology as follows (USEPA 1997):

$$\textit{Vertebrate}\ \mathrm{HQ} = \frac{\mathrm{Dose}}{\mathrm{TRV}} = \frac{(\mathrm{mg/kg/day})}{(\mathrm{mg/kg/day})}$$

Where:

HQ	=	Hazard quotient (unitless)
Dose	=	Chemical-, receptor-, and site-specific daily dose estimate (mg/kg/day)
TRV	=	Chemical- and receptor-specific toxicity reference value (mg/kg/day)

Vertebrate HQs are used to estimate the level of threat posed to vertebrate receptors from the site-specific average total daily dose of lead in soil. Site-specific daily doses were compared to the receptor-specific low- and high-TRV (HQ low and HQ high).

It should be noted that TRVs published by the USEPA were developed for generic mammal and avian species that may or may not be entirely applicable to the species evaluated in this SLERA. It is known that different animal species respond differently to a chemical insult. However, the uncertainties associated with differences in animal sensitivity were reduced in this assessment by the use of low- and high-TRVs.

Threat Characterization: Birds

The estimated daily lead doses, high- and low-TRVs and the estimated HQs for the northern harrier are presented in Table 7. According to the calculations, the HQ values estimated for the northern harrier range from 0.04 to 0.4. Therefore, the overall health threat posed by lead in soil is considered to be low and insignificant for avian species.

Threat Characterization: Mammals

The following sections discuss the results of the food chain modeling evaluation to assess potential health threat to mammals. Based on life history and foraging habits, daily dose estimates were calculated for the California ground squirrel. Daily dose estimates were calculated using the 95UCL soil lead concentration and were based on the assumptions and equations discussed in Section 3.4.2. Daily dose estimates were then compared to low- and high-TRVs to calculate HQs.

The estimated daily lead doses, high- and low-TRVs and the estimated HQs for the California ground squirrel are presented in Table 8. According to the calculations, the HQ values estimated for the California ground squirrel range from 0.02 to 0.2. Therefore, the overall health hazard posed by lead in soil is considered to be low and insignificant for mammals.

3.5 CONCLUSIONS AND RECOMMENDATIONS

In conclusion, food foraging and soil ingestion for ecological receptors that may live or visit the site are expected to be very low or insignificant. As a result, ecological receptors are expected to have low intakes of site-related lead. Therefore, the overall health hazard posed by lead in soil is considered to be low to insignificant for ecological receptors. In other words, results of the risk evaluation indicate that exposures to lead in soil, at average concentrations, do not pose a health threat to ecological receptors.

Based on the results of this evaluation, no further remediation is deemed necessary at the site as long as the future land use remains open land. In the event that modifications were to be made to the site and those modifications attracted wildlife, the potential threat posed by the modifications should be property evaluated in an Ecological Risk Assessment.

4.0 REFERENCES

Agency for Toxic Substances and Disease Registry, 1990. *Toxicological Profile for Lead.* U.S. Public Health Service. June.

California Department of Health Services (DHS/DTSC), 1996. *Guidance for Site Characterization and Multimedia Risk Assessments for Hazardous Substance Release Sites Volume 6, Chapter 5, Assessment of Health Risks from Inorganic Lead in Soils. Review Draft*. Sacramento, California.

California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA). 2009. Revised California Human Health Screening Levels for Lead. September.

NAS, 1980. *Lead in the Human Environment.* Committee of Lead in the Human Environment. National Academy of Sciences, Washington, D.C.

U.S. Environmental Protection Agency, (EPA), 1986. *Air Quality Criteria for Lead.* Volumes 1-4. Office of Research and Development. EPA/600/8-83/028 a-dF.

U.S. Environmental Protection Agency, 1989. *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation (Part A), Interim Final.* EPA 540/1-89/002. December.

U.S. Environmental Protection Agency, (EPA). 1997. Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments, Interim Final. Environmental Response Team. Edison, New Jersey.

U.S. Environmental Protection Agency, (EPA), 1999. Screening Level Ecological Risk Assessment Protocol. EPA Region 6, Office of Solid Waste, Center for Combustion Science and Engineering. August.

U.S. Environmental Protection Agency, 2016. *Integrated Risk Information System (IRIS).* Online database.

Tables

Table 1
Soil Lead Analytical Data Collected at the Rifle Range
Orange County Shooting and Training Center
Orange County, California

Sample ID	Sampling Date	Detection Limit (mg/kg)	Lead (mg/kg)
RR-1-0.5'	5/1/13	0.49	87
RR-1-2.0'	5/1/13	0.49	6
RR-2-0.5'	5/1/13	0.49	12
RR-2-2.0'	5/1/13	0.49	470
RR-3-0.5'	5/1/13	0.49	240
RR-3-2.0'	5/1/13	0.49	30
RR-4-0.5'	5/1/13	0.49	480
RR-4-2.0'	5/1/13	0.49	72
RR-5-0.5'	5/1/13	0.49	160
RR-5-2.0'	5/1/13	0.49	4.5
RR-6-0.5'	5/1/13	0.49	800
RR-6-2.0'	5/1/13	0.49	490
RR-7-0.5'	5/1/13	0.49	30
RR-7-2.0'	5/1/13	0.49	31
RR-8-0.5'	5/1/13	0.49	110
RR-8-2.0'	5/1/13	0.49	22
RR-9-0.5'	5/1/13	0.49	500
RR-9-2.0'	5/1/13	0.49	11
RR-10-0.5'	5/1/13	0.49	1,800
RR-10-2.0'	5/1/13	0.49	2.3
RR-11-0.5'	5/1/13	0.49	62
RR-11-2.0'	5/1/13	0.49	7.1
RR-12-0.5'	5/1/13	0.49	4.9
RR-12-2.0'	5/1/13	0.49	4.6
RR-13-0.5'	5/1/13	0.49	5.4
RR-13-2.0'	5/1/13	0.49	3.8
RR-14-0.5'	5/1/13	0.49	9.4
RR-14-2.0'	5/1/13	0.49	4.9
RR-15-0.5'	5/1/13	0.49	82
RR-15-2.0'	5/1/13	0.49	61
RR-16-0.5'	5/1/13	0.49	89
RR-16-2.0'	5/1/13	0.49	11
RR-10-1	7/17/14	0.49	21,300
RR-10-2	7/17/14	0.49	238
RR-10-3	7/17/14	0.49	30.7
RR-10-4	7/17/14	0.49	4,240
RR-10-5	7/17/14	0.49	495
RR-10-6	7/17/14	0.49	102
RR-10-7	7/17/14	0.49	14.7
RR-10-8	7/17/14	0.49	29.7
RR-10-9	7/17/14	0.49	17.6
RR-10-10	7/17/14	0.49	8.56

Notes:
mg/kg = Milligrams per kilograam

Table 2
Soil Lead Analytical Data Collected at the Pistol Range
Orange County Shooting and Training Center
Orange County, California

Sample ID	Sampling Date	Detection Limit (mg/kg)	Lead (mg/kg)
PR-1-0.5'	5/1/13	0.49	11
PR-1-2.0'	5/1/13	0.49	500
PR-2-0.5'	5/1/13	0.49	21
PR-2-2.0'	5/1/13	0.49	210
PR-3-0.5'	5/1/13	0.49	11
PR-3-2.0'	5/1/13	0.49	800
PR-4-0.5'	5/1/13	0.49	19
PR-4-2.0'	5/1/13	0.49	400
PR-5-0.5'	5/1/13	0.49	32
PR-5-2.0'	5/1/13	0.49	850
PR-6-0.5'	5/1/13	0.49	8.8
PR-6-2.0'	5/1/13	0.49	190
PR-7-0.5'	5/1/13	0.49	19
PR-7-2.0'	5/1/13	0.49	4.8
PR-8-0.5'	5/1/13	0.49	140
PR-8-2.0'	5/1/13	0.49	370
PR-9-0.5'	5/1/13	0.49	27
PR-9-2.0'	5/1/13	0.49	7.3
PR-10-0.5'	5/1/13	0.49	27
PR-10-2.0'	5/1/13	0.49	55
PR-11-0.5'	5/1/13	0.49	18
PR-11-2.0'	5/1/13	0.49	12
PR-12-0.5'	5/1/13	0.49	21
PR-12-2.0'	5/1/13	0.49	22
PR-13-0.5'	5/1/13	0.49	65
PR-13-2.0'	5/1/13	0.49	2.9
PR-14-0.5'	5/1/13	0.49	77
PR-14-2.0'	5/1/13	0.49	7.8
PR-15-0.5'	5/1/13	0.49	6.4
PR-15-2.0'	5/1/13	0.49	4.7
PR-16-0.5'	5/1/13	0.49	200
PR-16-2.0'	5/1/13	0.49	11
PR-17-0.5'	5/2/13	0.49	28
PR-17-2.0'	5/2/13	0.49	7.1
PR-18-0.5'	5/2/13	0.49	6
PR-18-2.0'	5/2/13	0.49	5.8
PR-19-0.5'	5/2/13	0.49	240
PR-19-2.0'	5/2/13	0.49	6.2
PR-20-0.5'	5/2/13	0.49	11
PR-20-2.0'	5/2/13	0.49	14
PR-21-0.5'	5/2/13	0.49	77
PR-21-2.0'	5/2/13	0.49	160
PR-22-0.5'	5/2/13	0.49	10
PR-22-2.0'	5/2/13	0.49	7.5
PR-23-0.5'	5/1/13	0.49	240
PR-23-2.0'	5/1/13	0.49	45
PR-24-0.5'	5/1/13	0.49	1,700
PR-24-2.0'	5/1/13	0.49	160
PR-25-0.5'	5/1/13	0.49	8.7
PR-25-2.0'	5/1/13	0.49	68
PR-24-1	7/17/14	0.49	355
PR-24-2	7/17/14	0.49	425
PR-24-3	7/17/14	0.49	306
PR-24-4	7/17/14	0.49	7,980
PR-24-5	7/17/14	0.49	414
PR-24-6	7/17/14	0.49	660
PR-24-7	7/17/14	0.49	12,500
PR-24-8	7/17/14	0.49	139
PR-24-9	7/17/14	0.49	10.2
PR-24-10	7/17/14	0.49	135
PR-5-1@2'	7/17/14	0.49	11,900

Table 2
Soil Lead Analytical Data Collected at the Pistol Range
Orange County Shooting and Training Center
Orange County, California

Sample ID	Sampling Date	Detection Limit (mg/kg)	Lead (mg/kg)
PR-5-1@3'	7/17/14	0.49	102
PR-5-1@5'	7/17/14	0.49	11
PR-5-2@2'	7/17/14	0.49	253
PR-5-2@3'	7/17/14	0.49	312
PR-5-2@5'	7/17/14	0.49	157
PR-5-3@2'	7/17/14	0.49	665
PR-5-3@3'	7/17/14	0.49	1,760
PR-5-3@5'	7/17/14	0.49	202
PR-5-4@2'	7/17/14	0.49	364
PR-5-4@3'	7/17/14	0.49	1,940
PR-5-4@5'	7/17/14	0.49	659
PR-5-5@2'	7/17/14	0.49	20.1
PR-5-5@3'	7/17/14	0.49	96.8
PR-5-5@5'	7/17/14	0.49	5.78
PR-5-6@2'	7/17/14	0.49	243
PR-5-6@3'	7/17/14	0.49	172
PR-5-6@5'	7/17/14	0.49	4.09
PR-5-7@2'	7/17/14	0.49	479
PR-5-7@3'	7/17/14	0.49	273
PR-5-7@5'	7/17/14	0.49	257

Notes:
mg/kg = Milligrams per kilograam

Table 3
Lead Risk Assessment Spreadsheet 8
California Department of Toxic Substances Control

INPUT	
MEDIUM	LEVEL
Lead in Soil/Dust (ug/g)	1672.0
Respirable Dust (ug/m^3)	1.5

OUTPUT						
Percentile Estimate of Blood Pb (ug/dl)						PRG-90
	50th	90th	95th	98th	99th	(ug/g)
BLOOD Pb, CHILD	0.2	0.3	0.4	0.5	0.5	5016
BLOOD Pb, PICA CHILD	0.4	0.6	0.8	0.9	1.0	2610

EXPOSURE PARAMETERS		
	units	children
Days per week	days/wk	1
Geometric Standard Deviation		1.6
Blood lead level of concern (ug/dl)		1
Skin area, residential	cm^2	2900
Soil adherence	ug/cm^2	200
Dermal uptake constant	(ug/dl)/(ug/day)	0.0001
Soil ingestion	mg/day	10
Soil ingestion, pica	mg/day	20
Ingestion constant	(ug/dl)/(ug/day)	0.16
Bioavailability	unitless	0.44
Breathing rate	m^3/day	6.8
Inhalation constant	(ug/dl)/(ug/day)	0.192

PATHWAYS						
CHILDREN	typical			with pica		
	Pathway contribution			Pathway contribution		
Pathway	PEF	ug/dl	percent	PEF	ug/dl	percent
Soil Contact	8.3E-6	0.01	8%		0.01	4%
Soil Ingestion	1.0E-4	0.17	92%	2.0E-4	0.34	96%
Inhalation	2.8E-7	0.00	0%		0.00	0%

Table 4
Ecological Soil Screening Levels and Hazard Quotients for Invertebrates and Plants
Former Orange County Shooting and Training Center
Orange County, California

Chemical of Potential Ecological Concern	95UCL Concentration mg/kg	Inverts Soil Benchmark mg/kg	Invertebrate Hazard Quotient	Plants Soil Benchmark mg/kg	Plant Hazard Quotient
Lead	1672	500	3	50	33

Notes:

95UCl	95 Percent upper confidence limit
mg/kg	Milligrams per kilogram

Table 5
Dose Calculation Parameters for the Northern Harrier
Former Orange County Shooting and Training Center
Orange County, California

Parameter	Average Adult	Unit	References and Comments
Ingestion $Rate_{total}$	0.0413	kg/day	Calculated with an average adult body weight of 441 grams using the Nagy (2001) dry matter intake food requirement equation for all birds (a= 0.638; b= 0.685)
Ingestion $Rate_{soil}$	0.000289	kg/day	0.7 percent of total ingestion rate based on bald eagle data from Pascoe and others (1996).
Soil Concentrations	95UCL	mg/kg	Representative of average soil chemical concentration throughout the Subject Property.
Ingestion $Rate_{prey}$	0.04104	kg/day	99.3 percent of total ingestion rate based on soil ingestion rate percentage.
Prey Concentrations	BAF	Unitless	Bioaccumulation factors (BAFs) were obtained from the RAIS website.
SUF	1	Unitless	Conservative estimate.
Body Weight	0.441	Kilogram	Average of males and females from Dunning (1993).

Notes:
kg/day Kilogram per day
mg/kg Milligram per kilogram

Table 6
Dose Calculation Parameters for the California Ground Squirrel
Former Orange County Shooting and Training Center
Orange County, California

Parameter	Average Adult	Unit	References and Comments
Ingestion Rate $_{total}$	0.0225	kg/day	Obtained from OEHHA's Cal/Ecotox database.
Ingestion Rate $_{soil}$	0.0021	kg/day	Assumed to be the same as that reported for raccoons (9.4 percent) by Boyer and others (1994).
Soil Concentrations	95UCL	mg/kg	Representative of average soil chemical concentration throughout the Subject Property.
Ingestion Rate $_{plant}$	0.0204	kg/day	90.6 percent of total ingestion rate based on soil ingestion rate percentage
Feed Concentrations	BAF	Unitless	BAFs were obtained from the RAIS website.
SUF	1	Unitless	Conservative estimate.
Body Weight	0.467	Kilogram	Average adult body weight from two squirrels collected in Orange, California (as reported in OEHHA's Cal/Ecotox database).

Notes:
kg/day Kilogram per day
mg/kg Milligram per kilogram

Table 7
Northern Harrier Dose and Hazard Quotient Calculations
Former Orange County Shooting and Training Center
Orange County, California

COPEC	Soil Concentration[g] (mg/kg)	BAF[c] (unitless)	Prey Concentration[d] (mg/kg wet weight)	Total Ingestion Rate[a] (kg/day)	Fraction of total daily diet obtained from site (unitless)	Total diet obtained from Site (kg/day)	Prey Ingestion Rate[b] (mg/kg)	Prey Concentration[d] (mg/kg dry weight)	Prey Daily Dose[e] (mg/day)	Soil Ingestion Rate[f] (kg/day)	Soil Daily Dose[h] (mg/day)	SUF	Receptor Body Weight[i] (kg)	Total Daily Dose[j] (mg/kg/day)	TRV[k] (mg/kg/day)	Hazard Quotient
Lead																
Average Dose/High TRV	1672	0.09	150.48	0.04	0.01	4.1E-04	4.1E-04	4.7E+02	1.9E-01	2.9E-06	4.8E-03	1.00	0.441	4.5E-01	11.30	4.E-02
Average Dose/Low TRV	1672	0.09	150.48	0.04	0.01	4.1E-04	4.1E-04	4.7E+02	1.9E-01	2.9E-06	4.8E-03	1.00	0.441	4.5E-01	1.13	4.E-01

Notes:

a	Total ingestion rate was calculated using an average adult body weight of 441 grams and the Navy (2001) dry matter intake food requirement equation for all birds (a=0.638; b=0.685).
b	Prey ingestion rate equals 99.3 percent of the total ingestion rate based on a soil ingestion rate equal to 0.7 percent of the total ingestion rate.
c	BCFs for soil-to-dry plant uptake were used to calculate prey concentrations. It was assumed that once the chemical is in plant tissue it is 100 percent available to foraging animals and avian predators. BCFs were obtained from the Risk Assessment
d	The wet weight prey concentration was calculated by multiplying the soil concentration by the BAF. Prey concentrations were then converted to dry weight using the following formula: dry weight concentration = (wet weight concentration) / (1-percentage of water in medium). Percent tissue moisture used to convert wet weight prey concentrations to dry weight was 68 percent. This percentage represents mouse tissue moisture from USEPA (1993)
e	Prey daily dose was calculated by multiplying the prey ingestion rate by the dry weight prey concentration.
f	Soil ingestion rate equals 0.7 percent of the total ingestion rate based on bald eagle data from Pascoe and others (1996).
g	Soil concentration for average dose calculation equals the 95UCL of all site-collected soil samples.
h	Soil daily dose was calculated by multiplying the soil ingestion rate by the soil concentration.
i	Average of male and female Northern Harrier body weights from Dunning (1993).
j	Total daily dose is calculated using the following equation: total daily dose = ((soil daily dose + prey daily dose)*SUF)/receptor species body weight.
k	TRVs taken from Terrestrial Toxicity Values (TRVs), Manual: ERD-AG-003 (1999).
l	The HQ was calculated using the following equatiuon: total daily dose/TRV.
m	Sufficient data are not available to derive a TRV. This chemical was evaluated qualitatively.
BAF	Bioaccumulation factor
BCF	Bioconcentration factor
COPEC	Chemical of potential ecological concern
HQ	Hazard quotient
LMW	Low-molecular-weight
kg	Kilogram
kg/day	Kilogram per day
mg/day	Milligram per day
mg/kg	Milligram per kilogram
mg/kg/day	Milligram per kilogram per day
NA	Not available

Sources:

EPA. 1993. *Wildlife Exposure Factor Handbook, Volume 1*. Office of Research and Development. Washington D.C. EPA/600/R-93/187a.

EPA. 1999. "Screening Level Ecological Risk Assessment Protocol." EPA Region 6, Office of Solid Waste, Center for Combustion Science and Engineering. August.

Naval Facilities Engineering Command, Engineering Field Activity West. 1998. "Development of Toxicity Reference Values for Conducting Ecological Risk Assessments at Naval Facilities in California, Interim Final." San Bruno, California.

Pascoe, G.A., R.J. Blancher, and G. Linder. 1996. "Food-chain Analysis of Exposures and Risks to Wildlife at a Metals-Contaminated Wetland." *Archives of Environmental Contamination and Toxicology*. Volume 30. Pages 306-318.

Sample, B.E., D.M. Opresko, G.W. Suter, II. 1996. "Toxicological Benchmarks for Wildlife: 1996 Revision." ES/ER/TM-86/R3. Oak Ridge National Laboratory. Oak Ridge, Tennessee.

Table 8

California Ground Squirrel Dose and Hazard Quotient Calculations

Former Orange County Shooting and Training Center

Orange County, California

COPEC	Soil Concentration[g] (mg/kg)	BAF[c] (unitless)	Plant Concentration[d] (mg/kg dry weight)	Total Ingestion Rate[a] (kg/day)	Fraction of total daily diet obtained from site (unitless)	Total diet obtained from Site (kg/day)	Plant Ingestion Rate[b] (mg/kg)	Plant Daily Dose[e] (mg/day)	Soil Ingestion Rate[f] (kg/day)	Soil Daily Dose[h] (mg/day)	SUF	Receptor Body Weight[i] (kg)	Total Daily Dose[j] (mg/kg/day)	TRV[k] (mg/kg/day)	Hazard Quotient[l]
Lead															
Average Dose/High TRV	1672	0.09	150.48	2.25E-02	0.10	2.25E-03	2.04E-03	0.31	2.12E-04	0.3536	1	0.467	1.41	80	2.E-02
Average Dose/Low TRV	1672	0.09	150.48	2.25E-02	0.10	2.25E-03	2.04E-03	0.31	2.12E-04	0.3536	1	0.467	1.41	8	2.E-01

Notes:

a Total ingestion rate obtained from "Cal/Tox, Exposure Factors for California Ground Squirrel (Spermophilus beechely). www.oehha.ca.gov/cal_ecotox/report/spermef.pdf.

b Plant ingestion rate equals 90.6 percent of the total ingestion rate based on a soil ingestion rate equal to 9.4 percent of the total ingestion rate.

c BCFs for soil-to-dry plant uptake were used to calculate prey concentrations. BCFs were obtained from the Risk Assessment Information website (http://rais.ornl.gov/tox/rap_toxp.shtml).

d The plant concentration was calculated by multiplying the soil concentration by the BAF.

e Plant daily dose was calculated by multiplying the plant ingestion rate by the plant concentration.

f Soil ingestion rate equals 9.4 percent of the total ingestion rate based on raccoon data from Beyer and others (1994).

g Soil concentration for average dose calculation equals the 95UCL of all samples.

h COPC daily dose was calculated by multiplying the soil ingestion rate by the COPC concentration in soil.

i Average squrrel body weight obtained form "Cal/Ecotox, Exposure Factors for California Ground Squrrel (Spermophilus beecheyl)." Average body weight for two squirrels collected in Orange, California.

j Total daily dose was calculated using the following equation: total daily dose = ((soil daily dose + plant daily dose)*SUF)/ body weight.

k The derivation of TRVs is described in EFA West (1998) and Sample and others (1996).

l The HQ was calculated using total daily dose/TRV.

m TRVs for hexavalent chromium and silver were taken from USEPA 1999.

BAF	Bioaccumulation factor	EPA	U.S. Environmental Protection Agency	mg/kg/day	Milligram per kilogram per day
BCF	Bioconcentration factor	HQ	Hazard quotient	NA	Not available
COPEC	Chemical of potential ecological concern	kg	Kilogram	PCB	Polychlorinated biphenyl
DDE	Dichlorodiphenyldichloroethene	kg/day	Kilogram per day	SBM	Sandblast material
DDT	Dichlorodiphenyltrichloroethane	mg/day	Milligram per day	SUF	Site use factor
EFA West	Naval Facilities Engineering Command, Engineering Field Activity West	mg/kg	Milligram per kilogram	TRV	Toxicity reference value

Sources:

Beyer and others. 1994. "Estimates of Soil Ingestion by Wildlife." *Journal of Wildlife Management*. Volume 58. Number 2. Pages 375 through 382.

DTSC. 2002. "HERD Eco Note Number 5." November 21.

EPA. 1999. "Screening Level Ecological Risk Assessment Protocol." EPA Region 6, Office of Solid Waste, Center for Combustion Science and Engineering. August.

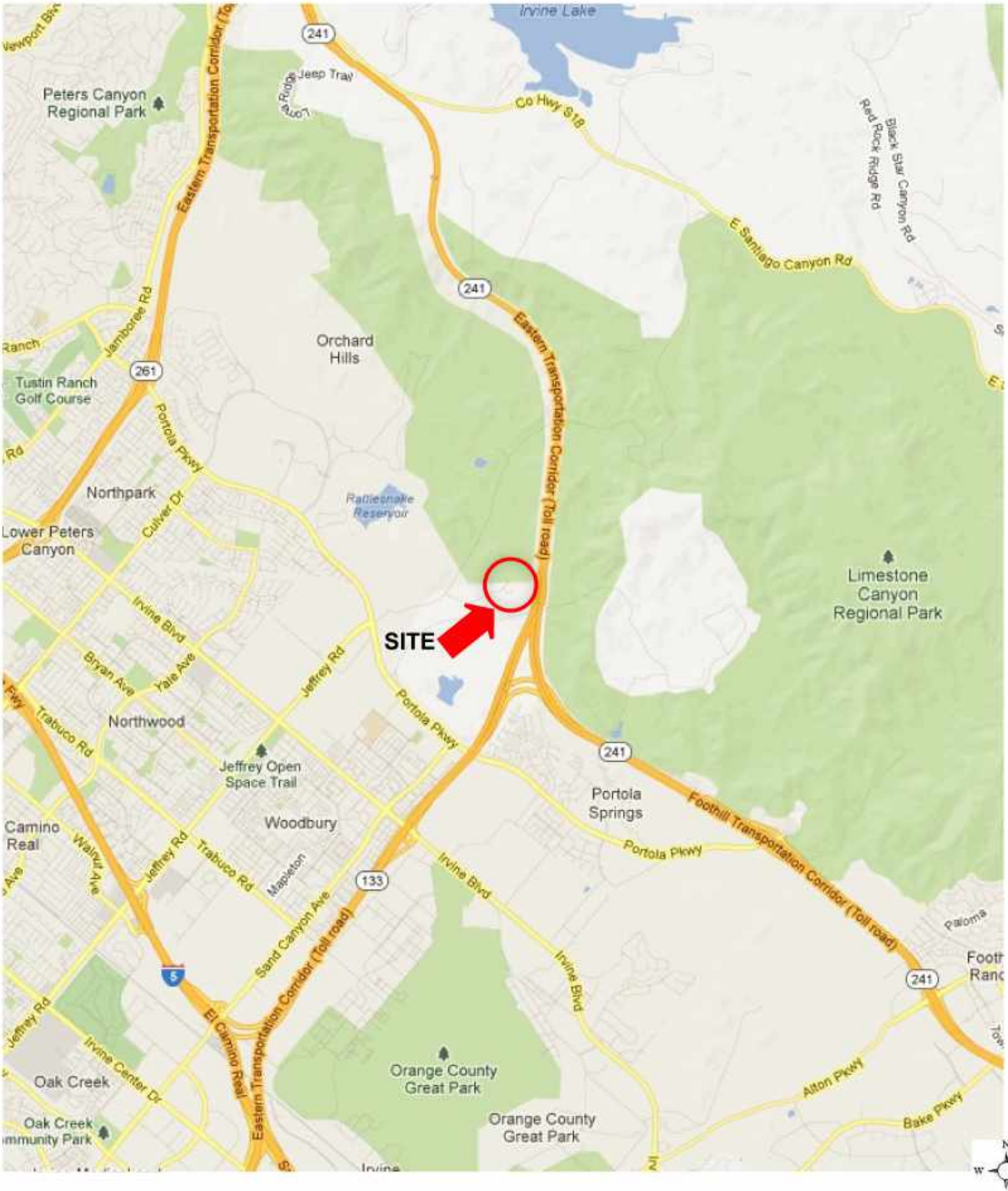
Fisler, G.F. 1965. "Adaptations and Speciation in Harvest Mice of the Marshes of San Francisco Bay." *University of California Publications in Zoology*. Volume 77. Pages 1-108.

Nagy, K.A. 2001. "Food Requirements of Wild Animals: Predictive Equations for Free-Living Mammals, Reptiles, and Birds." *Nutrition Abstracts and Reviews, Series B: LivestockFeeds and Feeding*. Volume 71. Number 10. Pages 21R-31R.

Naval Facilities Engineering Command, Engineering Field Activity West. 1998. "Development of Toxicity Reference Values for Conducting Ecological Risk Assessments at Naval Facilities in California, Interim Final." San Bruno, California.

Sample, B.E., D.M. Opresko, G.W. Suter, II. 1996. "Toxicological Benchmarks for Wildlife: 1996 Revision." ES/ER/TM-86/R3. Oak Ridge National Laboratory. Oak Ridge, Tennessee.

Figure



ADVANCED ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Site Location Map

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

1

*** 004 ***

STATE WATER RESOURCES CONTROL BOARD
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ORANGE COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
EL MODENO GARDENS, INC.
11911 JEFFREY ROAD SANTA ANA CA 92705

II FACILITY

	MAILING ADDRESS TOWNSHIP/RANGE/SECTION	DEALER/FOREMAN/SUPERVISOR TELEPHONE	TYPE OF BUSINESS NO. OF CONTAINERS
EL MODENO GARDENS, INC. 11911 JEFFREY ROAD SANTA ANA CA 92705	11911 JEFFREY ROAD SANTA ANA CA 92705	N.C. GROOT, COMPTROLLER (714) 559-1234	NURSERY 2

CROSS STREET :
IRVINE BLVD.

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: GROOT, N.C. (714) 559-1234 NIGHT: GROOT, N.C. (714) 669-9723

********** OWNER ASSIGNED CONTAINER NUMBER: #1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0CI0U127531001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : 1972
D. CAPACITY (GALLONS) : 6,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : YES

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : FIBERGLASS
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

*** E04 ***

PAGE 2019 STATE WATER RESOURCES CONTROL BOARD 06/01/88

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR ORANGE COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: #2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000027531002 **********

IV DESCRIPTION
- A. CONTAINER TYPE : TANK
- B. MANUFACTURER/YR OF MFG:
- C. YEAR INSTALLED : 1970
- D. CAPACITY (GALLONS) : 1,000
- E. REPAIRS : YES IF YES WHEN : 1983
- F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
- G. STORES : PRODUCT
- H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: UNLEADED

IS CONTAINER LOCATED ON A FARM : YES

V CONTAINER CONSTRUCTION
- A. THICKNESS:
- B. VAULTING: NON-VAULTED
- C. WALLING: SINGLE
- D. MATERIAL : STAINLESS STEEL
- E. LINING : UNLINED
- F. WRAPPING : NONE

VI PIPING
- A. ABOVEGROUND PIPING :
- B. UNDERGROUND PIPING : SUCTION
- C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY

VIII CHEMICAL COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12031 UNLEADED MOTOR VEHICLE FUEL

*** F04 ***

ORANGE COUNTY FIRE AUTHORITY

Report run on: April 10, 2023 6:33 AM

BUSINESS RECORDS AT: 11405 JEFFREY
IRVINE

Bus Id: **97652** DBA: **ORCO PRODUCE** Status: Active
11405 JEFFREY RD Bldg# Ste#
IRVINE
Last Insp Date: 13 MAR 2013 Bus Type: STORAGE OTHER
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 5, NO HAZARDOUS MATERIALS
Alarm Type: 3.1 SMOKE DETECTION - TO LOCAL ALARM
Sprinkler Type:0 None Sprinkler Due Date:

VIOLATIONS : NO VIOLATIONS FOUND *****

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AW11R	Welding Carts Flammable gas up to 1000 cuft and Oxidizi	13 MAR 2013	13 MAR 2014	
M150	Base Fee	13 MAR 2013		

CHEMICALS : NO CHEMICALS FOUND *****

***** **END OF REPORT** *****

ORANGE COUNTY FIRE AUTHORITY

Report run on: April 10, 2023 6:34 AM

BUSINESS RECORDS AT: 11911 JEFFREY
IRVINE

Bus Id: **102104** DBA: **PACIFIC COAST PROPANE** Status: Active
11911 JEFFREY RD Bldg# A Ste#
IRVINE
Last Insp Date: 29 SEP 2021 Bus Type: PROPERTY USE OTHER
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 5, NO HAZARDOUS MATERIALS
Alarm Type:
Sprinkler Type: Sprinkler Due Date:

VIOLATIONS

Identify Date: 29 SEP 2021

House Keeping: 0	Fire Protect: 1	High Piled: 0	Electrical: 0
Exiting: 0	Permit Related: 0	Hazmat Related: 0	Misc: 0

Notice Issued Dt: Self Clr Issued Dt: 29 SEP 2021

1st Reinsp clear:	Date:	2nd Reinsp clear:	Date:
3rd Reinsp clear:	Date:	4th Reinsp clear:	Date:
5th Reinsp clear:	Date:		

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AL1R	Liquefied Petroleum Gas Reissuance	29 SEP 2021	29 SEP 2022	
M150	Base Fee	29 SEP 2021		

CHEMICALS

Trade Name/ Comp Name	Component Cas#	Component Percent	Component Carcin	Component Ahm	Chem Id	Max Day Amt	Unit
PROPANE					612893	20000	CF
PROPANE	74986	100	N	Y			

***** END OF REPORT *****

ORANGE COUNTY FIRE AUTHORITY

Report run on: April 10, 2023 6:34 AM

BUSINESS RECORDS AT: 11911 JEFFREY
IRVINE

Bus Id: **107940** DBA: **PINNACLE FARMS** Status: Active
11911 JEFFREY RD Bldg# Ste#
IRVINE
Last Insp Date: 29 SEP 2021 Bus Type: CROPS OR ORCHARDS
Insp Type: ROUTINE INSPECTION Insp Category: CATEGORY 2, HIGH HAZARDS
Alarm Type: 0 None
Sprinkler Type:0 None Sprinkler Due Date:

VIOLATIONS

Identify Date: 29 SEP 2021

House Keeping:	Fire Protect:	High Piled:	Electrical:
Exiting:	Permit Related:	Hazmat Related:	Misc:
Notice Issued Dt:		Self Clr Issued Dt:	

1st Reinsp clear:	Date:	2nd Reinsp clear:	Date:
3rd Reinsp clear:	Date:	4th Reinsp clear:	Date:
5th Reinsp clear:	Date:		

PERMITS

Permit No	Permit description	Issued Date	Expiration Date	Occupancy Load
AF35R	Flammable Combustible Liquids-Reissuance	31 JAN 2012	30 JAN 2013	
AH11R	Hazardous Materials - Oxidizing Reissuance	31 JAN 2012	30 JAN 2013	
M150	Base Fee	31 JAN 2012		

CHEMICALS

Trade Name/ Comp Name	Component Cas#	Component Percent	Component Carcin	Component Ahm	Chem Id	Max Day Amt	Unit
POTASSIUM NITRATE					662079	1000	LB
POTASSIUM NITRATE	7757791	100	N	N			

***** **END OF REPORT** *****

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
JBR ENGINEERING INC	11502 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS		CERS ID / EPA ID	
11502 1/2 JEFFREY RD, IRVINE CA 92602		N/A N/A	
C/O - OWNER		INSPECTOR	
JBR ENGINEERING INC		LISA WALES	
FACILITY ID	RELATED ID	SERVICE:	INSPECTION DATE
FA0067140	PR0124320	F03 - REINSPECTION	12/2/2021
PROGRAM DESCRIPTION			REINSPECTION DATE:
5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

On site for a follow up inspection with Francisco Mendez to assist with CERS submittal.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PACIFIC COAST PROPANE LLC (CERSID: 10502611)

Facility Information **Certified Mar 15, 2023**

Certified on 3/15/2023 2:26:43 PM by *joey ramirez* of PACIFIC COAST PROPANE LLC (ONTARIO, CA)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Certified Mar 15, 2023**

Certified on 3/15/2023 2:26:43 PM by *joey ramirez* of PACIFIC COAST PROPANE LLC (ONTARIO, CA)

- Hazardous Material Inventory (1)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 97KB)

Emergency Response and Training Plans **Certified Mar 15, 2023**

Certified on 3/15/2023 2:26:43 PM by *joey ramirez* of PACIFIC COAST PROPANE LLC (ONTARIO, CA)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 273KB)
  - *Emergency Response/Contingency Plan Training Manual* (Adobe PDF, 5480KB)
- Employee Training Plan
  - *Employee Training Plan* (Adobe PDF, 141KB)
  - *Employee Training Certs* (Adobe PDF, 270KB)

California Environmental Reporting System (CERS) — Business Activities

Site Identification

PACIFIC COAST PROPANE LLC
11911 Jeffrey Rd
Irvine, CA 92602
County
Orange

CERS ID
10502611
EPA ID Number

Submittal Status

Certified on 3/15/2023 by *joey ramirez* of PACIFIC COAST PROPANE LLC (ONTARIO, CA)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**No**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

PACIFIC COAST PROPANE LLC
11911 Jeffrey Rd
Irvine, CA 92602

CERS ID
10502611

Submittal Status

Certified on 3/15/2023 by *joey ramirez* of PACIFIC COAST PROPANE LLC (ONTARIO, CA)

Identification

PACIFIC COAST PROPANE

Operator Phone	Business Phone	Business Fax
(951) 453-2100	(909) 395-0566	(909) 395-5099

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
	5984	

Facility/Site Mailing Address

11911 Jeffrey Rd
Irvine, CA 92602

Primary Emergency Contact

Chuck Schmidt
Title
Manager

Business Phone	24-Hour Phone	Pager Number
(909) 395-0566	(909) 395-0566	

Owner

Pacific Coast Propane LLC
(951) 453-2100
539 W. Main Street
Ontario, CA 91762

Secondary Emergency Contact

Keith Hanchett
Title
President

Business Phone	24-Hour Phone	Pager Number
(800) 728-2482	(800) 728-2482	

Billing Contact

Andrew Kelegian
(951) 453-2100 andrew@pcpropane.com
11911 Jeffrey Rd
Irvine, CA 92602

Environmental Contact

Andrew Kelegian
(951) 453-2100 andrew@pcpropane.com
11911 Jeffrey Rd
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Andrew Kelegian	Owner	Joey Ramirez

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Andrew Kelegian
Phone
(951) 453-2100
Mailing Address
11911 Jeffrey Rd
Irvine, CA 92602

Assessor Parcel Number (APN)
104-118-70
Number of Employees
20
Facility ID
FA0053927

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **PACIFIC COAST PROPANE LLC**
Facility Name **PACIFIC COAST PROPANE LLC**
11911 Jeffrey Rd, Irvine 92602

Chemical Location
11911 Jeffrey Rd., Irvine, CA 92602

CERS ID **10502611**
Facility ID **FA0053927**
Status **Submitted** on 3/15/2023 2:26 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Combustible Liquid, Class II, Flammable Gas	**lpg** CAS No 74-98-6	**Gallons** State Liquid Type Pure	**20000** Storage Container Aboveground Tank, Tank Wagon Days on Site: 365	**20000**	20000 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Acute Toxicity	Propane	100%	✓	74-98-6

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID #	1. CERS ID	A1. DATE OF PLAN PREPARATION/REVISION A2.
1	10502611	0917/2018

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* 3.
Pacific Coast Propane LLC

BUSINESS SITE ADDRESS 103.
11911 Jeffrey Rd.

BUSINESS SITE CITY 104.		ZIP CODE 105.
Irvine	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A3.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A4.
Propane Supplier	

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING: (Check all that apply) A5.

☒ 1. HAZARDOUS MATERIALS; ☐ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR VIA: (Check all that apply) B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (i.e., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator (or his/her designee when the Emergency Coordinator is on call) shall:

1. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
2. Notify appropriate local authorities (i.e., call 9-1-1).
3. Notify the California Emergency Management Agency at (800) 852-7550.

Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall notify the California Department of Toxic Substances Control (DTSC), the local Unified Program Agency (UPA), and the local fire department's hazardous materials program that the facility is in compliance with requirements to:

1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR VIA: (Check all that apply) C1.

☒ 1. VERBAL WARNINGS;	☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☒ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY: (Check all that apply) C2.

☒ 1. VERBAL WARNINGS;	☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☐ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

EMERGENCY RESPONSE PHONE NUMBERS:

AMBULANCE, FIRE, POLICE AND CHP	9-1-1	
CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CAL/EMA)	(800) 852-7550	
NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802	
POISON CONTROL CENTER	(800) 222-1222	
LOCAL UNIFIED PROGRAM AGENCY (UPA/CUPA)	(714) 433-6000	C3.
OTHER (Specify): C4. PERS	(800) 728-2482	C5.

NEAREST MEDICAL FACILITY / HOSPITAL NAME: C6. Sand Canyon Urgent Care (949) 417-0272 C7.

AGENCY NOTIFICATION PHONE NUMBERS:

CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545	
REGIONAL WATER QUALITY CONTROL BOARD		C8.
U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193	
CALIFORNIA DEPT OF FISH AND GAME (DFG)	(916) 358-2900	
U.S. COAST GUARD	(202) 267-2180	
CAL/OSHA	(916) 263-2800	
STATE FIRE MARSHAL	(916) 445-8200	
OTHER (Specify): C9.		C10.
OTHER (Specify): C11.		C12.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

SPILL PREVENTION, CONTAINMENT, AND CLEANUP PROCEDURES: (Check all boxes that apply to indicate your procedures for containing spills, releases, fires or explosions; and. preventing and mitigating associated harm to persons, property, and the environment.)

D1.

- [x] 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- [ ] 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls);
- [ ] 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, pigs, pillows);
- [ ] 4. COVER OR BLOCK FLOOR AND/ OR STORM DRAINS;
- [ ] 5. BUILT-IN BERM IN WORK / STORAGE AREA;
- [ ] 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- [ ] 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS (e.g. Flammable liquids, Propane);
- [x] 8. STOP PROCESSES AND/OR OPERATIONS;
- [x] 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- [x] 10. SHUT-OFF WATER, GAS, ELECTRICAL UTILITIES AS APPROPRIATE;
- [x] 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE / MEDICAL AID;
- [x] 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AREAS;
- [x] 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION CALL;
- [ ] 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE RESPONSE TEAM;
- [ ] 15. REMOVE OR ISOLATE CONTAINERS / AREA AS APPROPRIATE;
- [x] 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- [ ] 17. USE ABSORBENT MATERIAL FOR SPILLS WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- [ ] 18. SUCTION USING SHOP VACUUM WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- [ ] 19. WASH / DECONTAMINATE EQUIPMENT W/ CONTAINMENT and DISPOSAL OF EFFLUENT / RINSATE AS HAZARDOUS WASTE;
- [ ] 20. PROVIDE SAFE TEMPORARY STORAGE OF EMERGENCY-GENERATED WASTES;
- [x] 21. OTHER (Specify): Contact Keith Hanchett at PERS (800) 728-2482

D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (CHECK ALL THAT APPLY): E1.

- [ ] 1. BELLS;
- [ ] 2. HORNS/SIRENS;
- [x] 3. VERBAL (I.E., SHOUTING);
- [ ] 4. OTHER (Specify):

E2.

THE FOLLOWING LOCATION(S) IS/ARE EVACUEE EMERGENCY ASSEMBLY AREA(S) (i.e., Front parking lot, specific street corner, etc.) E3.

Front Parking Lot as Staging Area or as Indicated on Evacuation Plan Map

Note: The Emergency Coordinator must account for all on site employees and/or site visitors after evacuation.

- [x] EVACUATION ROUTE MAP(S) POSTED AS REQUIRED

E4.

Note: The map(s) must show primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas, and must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

Explanation of Requirement: Advance arrangements with local fire and police departments, hospitals, and/or emergency services contractors should be made as appropriate for your facility. You may determine that such arrangements are not necessary.

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following) F1.

- [x] 1. HAVE BEEN DETERMINED NOT NECESSARY; *or*
- [ ] 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify):

F2.

G. EMERGENCY EQUIPMENT

Check all boxes that apply to list emergency response equipment available at the facility and identify the location(s) where the equipment is kept and the equipment's capability, if applicable. [e.g., ☒ CHEMICAL PROTECTIVE GLOVES | Spill response kit | One time use, Oil & solvent resistant only.]

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION	CAPABILITY *(If applicable)*
Safety and First Aid	1. ☒ CHEMICAL PROTECTIVE SUITS, APRONS, OR VESTS	G2. OFFICE	G3.
	2. ☒ CHEMICAL PROTECTIVE GLOVES	G4. OFFICE	G5.
	3. ☒ CHEMICAL PROTECTIVE BOOTS	G6. OFFICE	G7.
	4. ☒ SAFETY GLASSES / GOGGLES / SHIELDS	G8. OFFICE	G9.
	5. ☐ HARD HATS	G10.	G11.
	6. ☐ CARTRIDGE RESPIRATORS	G12.	G13.
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)	G14.	G15.
	8. ☒ FIRST AID KITS / STATIONS	G16. OFFICE	G17.
	9. ☒ PLUMBED EYEWASH FOUNTAIN / SHOWER	G18. OFFICE	G19.
	10. ☐ PORTABLE EYEWASH KITS	G20.	G21.
	11. ☐ OTHER	G22.	G23.
	12. ☐ OTHER	G24.	G25.
Fire Fighting	13. ☒ PORTABLE FIRE EXTINGUISHERS	G26. OFFICE	G27.
	14. ☐ FIXED FIRE SYSTEMS / SPRINKLERS / FIRE HOSES	G28.	G29.
	15. ☐ FIRE ALARM BOXES OR STATIONS	G30.	G31.
	16. ☐ OTHER	G32.	G33.
Spill Control and Clean-Up	17. ☐ ALL-IN-ONE SPILL KIT	G34.	G35.
	18. ☐ ABSORBENT MATERIAL	G36.	G37.
	19. ☐ CONTAINER FOR USED ABSORBENT	G38.	G39.
	20. ☐ BERMING / DIKING EQUIPMENT	G40.	G41.
	21. ☐ BROOM	G42.	G43.
	22. ☐ SHOVEL	G44.	G45.
	23. ☐ SHOP VAC	G46.	G47.
	24. ☐ EXHAUST HOOD	G48.	G49.
	25. ☐ EMERGENCY SUMP / HOLDING TANK	G50.	G51.
	26. ☐ CHEMICAL NEUTRALIZERS	G52.	G53.
	27. ☐ GAS CYLINDER LEAK REPAIR KIT	G54.	G55.
	28. ☐ SPILL OVERPACK DRUMS	G56.	G57.
	29. ☒ OTHER	G58. CALL SPILL CLEAN UP CONTRACTOR	G59.
Communi-cations and Alarm Systems	30. ☒ TELEPHONES (Includes cellular)	G60. OFFICE	G61.
	31. ☐ INTERCOM / PA SYSTEM	G62.	G63.
	32. ☐ PORTABLE RADIOS	G64.	G65.
	33. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT	G66.	G67.
Other	34. ☐ OTHER	G68.	G69.
	35. ☐ OTHER	G70.	G71.

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases / spills due to earthquake-related motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS: (Check all that apply)	H1.	LOCATIONS (e.g., shop, outdoor shed, forensic lab)	
☐ 1. HAZARDOUS MATERIALS / WASTE STORAGE AREA			H2.
☒ 2. PROCESS LINES / PIPING		LOADING AREA AT ABOVE GROUND TANK LOCATION	H3.
☐ 3. LABORATORY			H4.
☐ 4. WASTE TREATMENT AREA			H5.

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS: (Check all that apply)	H6.	LOCATIONS	
☐ 1. SHELVES, CABINETS AND RACKS			H7.
☒ 2. TANKS (EMERGENCY SHUTOFF)		LOADING AREA AT ABOVE GROUND TANK LOCATION	H8.
☐ 3. PORTABLE GAS CYLINDERS			H9.
☐ 4. EMERGENCY SHUTOFF AND/OR UTILITY VALVES			H10.
☐ 5. SPRINKLER SYSTEMS			H11.
☒ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane dispensing tank)		ABOVE GROUND TANK LOCATION	H12.

I. EMPLOYEE TRAINING

Explanation of Requirement: Employee training is required for all employees handling hazardous materials and hazardous wastes in day-to-day or clean-up operations including volunteers and/or contractors. Training must be:

- Provided within 6 months for new hires;
- Amended as necessary prior to change in process or work assignment;
- Given upon modification to the Emergency Response / Contingency Plan, and updated/refreshed annually for all employees.

Required content includes all of the following:

- Material Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Fire hazards of materials / processes;
- Conditions likely to worsen emergencies;
- Coordination of emergency response;
- Notification procedures;
- Applicable laws and regulations;
- Communication and alarm systems;
- Personal protective equipment;
- Use of emergency response equipment (e.g. Fire extinguishers, respirators, etc.);
- Decontamination procedures;
- Evacuation procedures;
- Control and containment procedures;
- UST monitoring system equipment and procedures (if applicable).

INDICATE HOW EMPLOYEE TRAINING PROGRAM IS ADMINISTERED (Check all that apply) I1.

☒ 1. FORMAL CLASSROOM; ☐ 2. VIDEOS; ☒ 3. SAFETY / TAILGATE MEETINGS;

☐ 4. STUDY GUIDES / MANUALS (Specify): I2.

☒ 5. OTHER (Specify): One Day Seminar, Written Test, Driving Test, Bi-Annual and post incident refresher course on safety and hazards of propane. I3.

☐ 6. NOT APPLICABLE BECAUSE FACILITY HAS NO EMPLOYEES

Large Quantity Generator (LQG) Training Records: Large quantity hazardous waste generators (i.e., who generate more than 270 gallons/1,000 kilograms of hazardous waste per month) must retain written documentation of employee hazardous waste management training sessions which includes:

- A written outline/agenda of the type and amount of both introductory and continuing training that will be given to persons filling each job position having responsibility for the management of hazardous waste (e.g., labeling, manifesting, compliance with accumulation time limits, etc.).
- The name, job title, and date of training for each hazardous waste management training session given to an employee filling such a job position; and
- A written job description for each of the above job positions that describes job duties and the skills, education, or other qualifications required of personnel assigned to the position.
- Current employee training records must be retained until closure of the facility.
- Former employee training records must be retained at least three years after termination of employment.

J. LIST OF ATTACHMENTS

(Check one of the following) J1.

☒ 1. NO ATTACHMENTS ARE REQUIRED; *or*

☐ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

K. SIGNATURE / CERTIFICATION

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete, and that a copy is available on site.

SIGNATURE OF OWNER/OPERATOR	DATE SIGNED K1.
	09/17/2018
NAME OF SIGNER (print) K2.	TITLE OF SIGNER K3.
CHUCK SCHMIDT	MANAGER

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RECORD AND CERTIFICATION *– Upon completion of the training be certain to fill out the record and certification form on the outside back cover and place the completed workbook in your HM Training file.*

Forbidden: A material that is prohibited from being offered or accepted for transportation in one or even all modes of transportation.

Marine Pollutant: A substance that is toxic to marine life. Marine Pollutants are listed in **Appendix B** of the Hazardous Materials Table in the §172.101 table. There are additional shipping paper and marking requirements for Marine Pollutants such as "**leaded gasoline**" and for **ammonia anhydrous** transported as a div. 2.3 using the table entry for international transportation. See also ammonia solutions in Appendix A.

Safety Data Sheet (SDS): Regulated by OSHA, is a document that contains information on the potential health effects of exposure to chemicals and on safe working procedures when handling chemical products. It is an essential tool used to identify the properties of a material in order to determine the applicability of the HMR. *(MSDS's became SDS's under Global Harmonization effective June 1, 2015)*

Hazardous Materials Incident: Sections 171.15 and 171.16 of the HMR specify requirements applicable to incidents involving hazardous materials during transportation. DOT requirements for incident reporting are strictly enforced and severe penalties may result from failure to comply.

§171.15 Immediate Notice of Certain Hazardous Materials Incidents.
(a) General. As soon as practical but no later than 12 hours after the occurrence of any incident described in paragraph (b) of this section, each person in physical possession of the hazardous material must provide notice by telephone to the National Response Center (NRC) on 800–424–8802 (toll free) or 202–267–2675 (toll call) or online at http://www.nrc.uscg.mil. Each notice must include the following information:

(1) Name of reporter;

(2) Name and address of person represented by reporter;

(3) Phone number where reporter can be contacted;

(4) Date, time, and location of incident;

(5) The extent of injury, if any;

(6) Class or division, proper shipping name, and quantity of hazardous materials involved, if such information is available; and

(7) Type of incident and nature of hazardous material involvement and whether a continuing danger to life exists at the scene.

(b) Reportable Incident. A telephone report is required whenever any of the following occurs during the course of transportation in commerce (including loading, unloading, and temporary storage):

(1) As a direct result of a hazardous material—

(i) A person is killed;

(ii) A person receives an injury requiring admittance to a hospital;

(iii) The general public is evacuated for one hour or more;

(iv) A major transportation artery or facility is closed or shut down for one hour or more; or

(v) The operational flight pattern or routine of an aircraft is altered;

(2) Fire, breakage, spillage, or suspected radioactive contamination occurs involving a radioactive material (see also §176.48 of this subchapter);

(3) Fire, breakage, spillage, or suspected contamination occurs involving an infectious substance other than a regulated medical waste;

(4) A release of a marine pollutant occurs in a quantity exceeding 450 L (119 gallons) for a liquid or 400 kg (882 pounds) for a solid;

(5) A situation exists of such a nature (e.g., a continuing danger to life exists at the scene of the incident) that, in the judgment of the person in possession of the hazardous material, it should be reported to the NRC even though it does not meet the criteria of paragraphs (b) (1), (2), (3) or (4) of this section; or

(6) During transportation by aircraft, a fire, violent rupture, explosion or dangerous evolution of heat (i.e., an amount of heat sufficient to be dangerous to packaging or personal safety to include charring of packaging, melting of packaging, scorching of packaging, or other evidence) occurs as a direct result of a battery or battery-powered device.

(c) **Written report.** Each person making a report under this section must also make the report required by §171.16 of this subpart.

Note to §171.15: Under 40 CFR 302.6, EPA requires persons in charge of facilities (including transport vehicles, vessels, and aircraft) to report any release of a hazardous substance in a quantity equal to or greater than its reportable quantity, as soon as that person has knowledge of the release, to DOT's National Response Center at (toll free) 800–424–8802 or (toll) 202–267–2675. Last Revised July 20, 2011

Each person making a report under this section must also make the Detailed Written Report on **DOT Form F5800.1**.

§171.16 Detailed hazardous materials incident reports. (Written report)

(a) *General.* Each person in physical possession of a hazardous material at the time that any of the following incidents occurs during transportation (including loading, unloading, and temporary storage) must submit a Hazardous Materials Incident Report on DOT Form F 5800.1 (01/2004) within 30 days of discovery of the incident:

(1) Any of the circumstances set forth in §171.15(b)

(2) An **unintentional release** of a hazardous material or the discharge of any quantity of hazardous waste;

(3) A **specification cargo tank** with a capacity of 1,000 gallons or greater containing any hazardous material suffers structural damage to the lading retention system or damage that requires repair to a system intended to protect the lading retention system, even if there is no release of hazardous material;

(4) An **undeclared hazardous material** is discovered; or

(5) A fire, violent rupture, explosion or dangerous evolution of heat (*i.e.*, an amount of heat sufficient to be dangerous to packaging or personal safety to include charring of packaging, melting of packaging, scorching of packaging, or other evidence occurs as a direct result of a battery or battery-powered device.)

(b) ***Providing and Retaining Copies of the Report.*** Each person reporting under this section must—

(1) Submit a written Hazardous Materials Incident Report to the Information Systems Manager, PHH–60, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, East Building, 1200 New Jersey Ave., SE., Washington, DC 20590–0001, or an electronic Hazardous Material Incident Report to the Information System Manager, PHH–60, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, DC 20590–0001 at *http://hazmat.dot.gov*;

(2) For an incident involving transportation by aircraft, submit a written or electronic copy of the Hazardous Materials Incident Report to the FAA Security Field Office nearest the location of the incident; and

(3) **Retain a written or electronic copy of the Hazardous Materials Incident Report for a period of two years** at the reporting person's principal place of business. If the written or electronic Hazardous Materials Incident Report is maintained at other than the reporting person's principal place of business, the report must be made available at the reporting person's principal place of business within 24 hours of a request for the report by an authorized representative or special agent of the Department of Transportation.

(c) ***Updating the Incident Report.*** A Hazardous Materials Incident Report must be updated within one year of the date of occurrence of the incident whenever:

(1) A death results from injury caused by a hazardous material;

(2) There was a misidentification of the hazardous material or package information on a prior incident report;

(3) Damage, loss or related cost that was not known when the initial incident report was filed becomes known; or

(4) Damage, loss, or related cost changes by $25,000 or more, or 10% of the prior total estimate, whichever is greater.

(d) ***Exceptions.*** Unless a telephone report is required under the provisions of §171.15 of this part, the requirements of paragraphs (a), (b), and (c) of this section do not apply to the following incidents:

(1) A release of a minimal amount of material from—

(i) A vent, for materials for which venting is authorized;

(ii) The routine operation of a seal, pump, compressor, or valve; or

(iii) Connection or disconnection of loading or unloading lines, provided that the release does not result in property damage.

(2) An unintentional release of hazardous material when:

(i) The material is properly classed as—

(A) ORM-D; or

(B) A Packing Group III material in Class or Division 3, 4, 5, 6.1, 8, or 9;

(ii) Each package has a capacity of less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids;

(iii) The total aggregate release is less than 20 liters (5.2 gallons) for liquids or less than 30 kg (66 pounds) for solids; and

(iv) The material is not—

(A) Offered for transportation or transported by aircraft,

(B) A hazardous waste, or

(C) An undeclared hazardous material.

(3) An undeclared hazardous material discovered in an air passenger's checked or carry-on baggage during the airport screening process. (For discrepancy reporting by carriers, see §175.31 of this subchapter.)

Emergency Response Information:
Part 172 Subpart G:

Part 172 Subpart G, beginning at §172.600 - This subpart prescribes requirements for providing and maintaining emergency response information during transportation and also at facilities where hazardous materials are loaded, stored or handled during any phase of transportation.

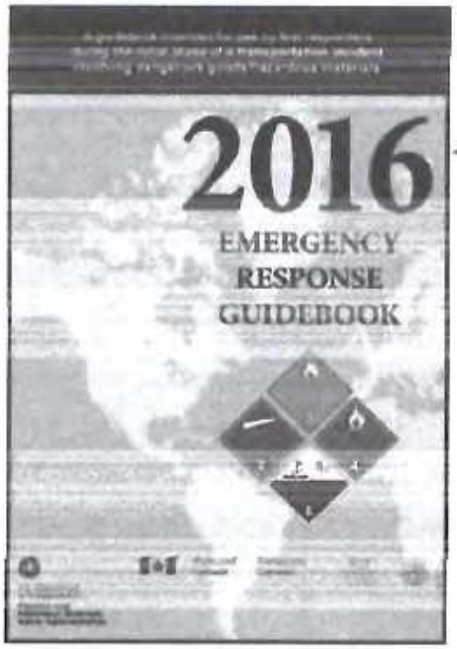
This subpart applies to persons who **offer** for transportation, **accept** for transportation, **transfer** or otherwise **handle** hazardous materials during transportation.

No person to whom this subpart applies may offer, accept, transfer, store or otherwise handle during transportation a hazardous material unless:

1. **Emergency Response Information** compliant with this subpart is *immediately available for use at all times the hazardous material is present;* and

2. **Emergency Response Information** including the emergency response telephone number, required by this subpart is immediately available to any person who, as a representative of a Federal, State or local government agency, responds to an incident involving a hazardous material, or is involved in an investigation which involves a hazardous material.

One of the most common forms for **Emergency Response Information** is the **Emergency Response Guidebook (ERG)**, or use of 1 or more guide pages from the ERG.



The 2016 Edition of the Emergency Response Guidebook (ERG).

We can expect that a New ERG will be available sometime in 2020.

The guidebook is typically updated every 4 years.

Shipping papers provide vital information when responding to a hazardous materials incident. The shipping paper contains information such as the proper shipping name and identification number needed to identify the materials involved.

The Yellow Section of The ERG is an Index of hazardous materials in numerical order of **ID Number**. This section identifies the Guide to be consulted from the ID Number of the material involved.

The Blue Section of The ERG is an Index of hazardous materials in alphabetical order by **Name**. This section identifies the Guide to be used from the proper shipping name of the material involved.

For example if you look up **Propane, Guide No. 115** is the guide to be used and **1075** and **1978** are the ID Numbers authorized for the material.



ID No.	Guide No.	Name of Material
1066	121	Nitrogen, compressed
1070	122	Nitrous oxide
1070	122	Nitrous oxide, compressed
1072	122	Oxygen
1072	122	Oxygen, compressed
1075	115	Butane
1075	115	Butane mixture
1075	115	Butylene
1075	115	Isobutane
1075	115	Isobutane mixture
1075	115	Isobutylene
1075	115	Liquefied petroleum gas
1075	115	LPG
1075	115	Petroleum gases, liquefied
1075	115	Propane
1075	115	Propane mixture
1075	115	Propylene
1077	115	Propylene
1079	126	Dispersant gas, n o s
1078	126	Refrigerant gas, n o s
1080	126	Sulfur hexafluoride
1080	126	Sulphur hexafluoride
1081	116P	Tetrafluoroethylene, stabilized
1083	118	Trimethylamine, anhydrous
1085	116P	Vinyl bromide, stabilized
1086	116P	Vinyl chloride, stabilized
1087	116P	Vinyl methyl ether, stabilized
1089	127	Acetal
1089	129	Acetaldehyde
1090	127	Acetone
1091	127	Acetone oils
1093	131P	Acrylonitrile, stabilized
1099	131	Allyl Bromide
1100	131	Allyl chloride
1104	129	Amyl acetates
1105	129	Amyl alcohols
1106	129	Pentanols
1107	129	Amyl chloride
1108	128	n-Amylene
1108	128	1-Pentene
1109	129	Amyl formates
1110	127	n-Amyl methyl ketone
1110	127	Amyl methyl ketone
1110	127	Methyl amyl ketone

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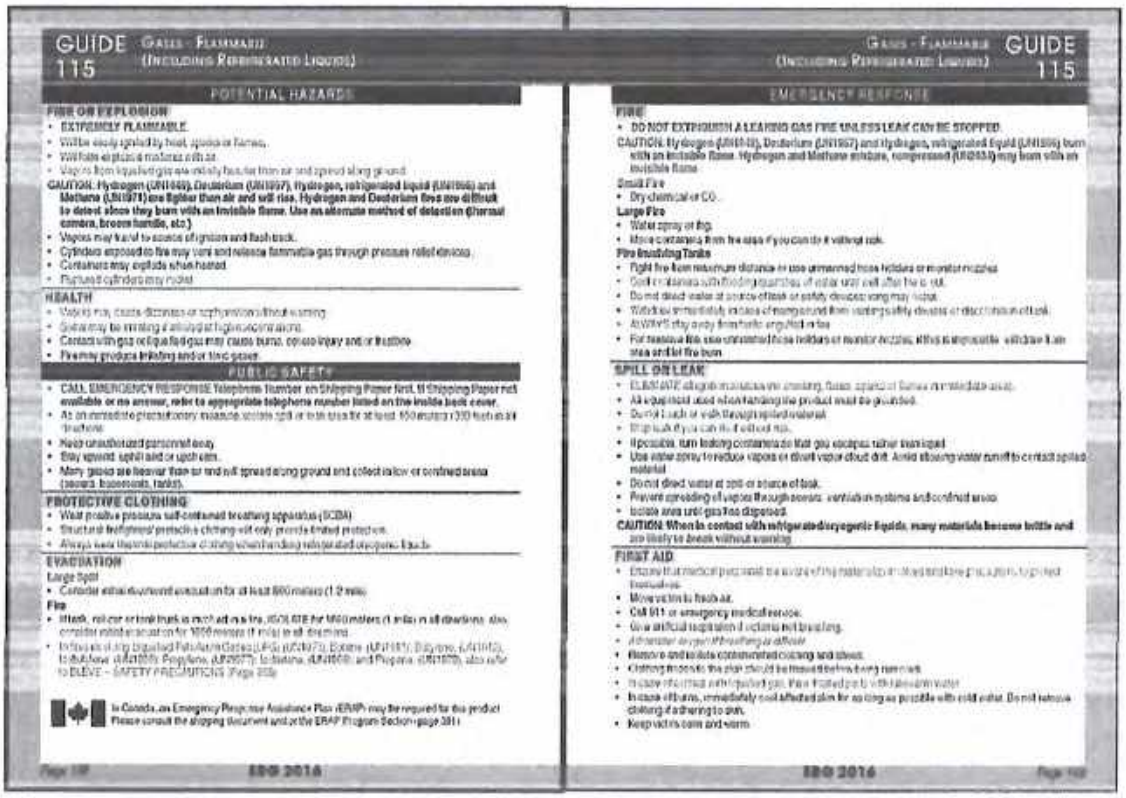
Yellow Section



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Potassium hydrosulphite	135	1929
Potassium hydroxide, dry solid	154	1813
Potassium hydroxide, flake	154	1813
Potassium hydroxide, solid	154	1813
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Potassium nitrite	140	1488
Potassium perchlorate	140	1489
Potassium permanganate	140	1490
Potassium peroxide	144	1491
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Potassium silicofluoride	151	2655
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Blue Section

Guide Number 115



GUIDE 115 — GASES - FLAMMABLE (INCLUDING REFRIGERATED LIQUIDS)

POTENTIAL HAZARDS

FIRE OR EXPLOSION
- EXTREMELY FLAMMABLE.
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.

CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

HEALTH
- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.

PUBLIC SAFETY
- CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- As an immediate precautionary measure, isolate spill or leak area for at least 150 meters (300 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind. Ventilate closed spaces before entering.
- Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).

PROTECTIVE CLOTHING
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated (cryogenic) liquids.

EVACUATION

Large Spill
- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire
- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also consider initial evacuation for 1600 meters (1 mile) in all directions.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

In Canada, an Emergency Response Assistance Plan (ERAP) may be required for this product. Please consult the shipping document and the ERAP Program Section on page 391.

ERG 2016

GASES - FLAMMABLE (INCLUDING REFRIGERATED LIQUIDS) GUIDE 115

EMERGENCY RESPONSE

FIRE
- DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

CAUTION: Hydrogen (UN1049), Deuterium (UN1957) and Hydrogen, refrigerated liquid (UN1966) burn with an invisible flame. Hydrogen and Methane mixture, compressed (UN2034) may burn with an invisible flame.

Small Fire
- Dry chemical or CO2.

Large Fire
- Water spray or fog.
- Move containers from fire area if you can do it without risk.

Fire Involving Tanks
- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.

CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID
- Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.

ERG 2016

<u>The Orange Pages Are The Guide Pages</u>. These are the most important pages of the Guidebook because it is where the safety recommendations are provided. Each page provides safety recommendations and emergency response information to protect yourself and the public. Each guide is designed to cover a group of materials which possess similar chemical and toxicological characteristics.

For example if you look up **ID Number <u>1075</u> in the Yellow Section**, you are referred to **<u>Guide No. 115</u>** as the guide to be used and several shipping names are referenced. (All are liquefied petroleum gases)

No Person May Offer For Transportation, Accept For Transportation, Transfer, Store, or Otherwise Handle During Transportation A Hazardous Material Unless:

- Emergency response information is immediately available for use at all times the hazardous material is present; and
- Emergency response information, including the emergency response telephone number required by this subpart is immediately available to any person who, as a representative of a Federal, State or local government agency, responds to an incident which involves a hazardous material.

Exceptions: The requirements of **Part 172 Subpart G** do not apply to hazardous materials which are excepted from the shipping paper requirement, or for a materials properly classed as an ORM-D. *For further information see §172.600.*

Emergency response information means information that can be used in the mitigation of an incident involving hazardous materials.

At a Minimum, Emergency response information must include the following information:

- The basic description and technical name of the hazardous material;
- Immediate hazards to health;
- Risks of fire or explosion;
- Immediate precautions to be taken in the event of an incident or accident;
- Immediate methods for handling fires;
- Initial methods for handling spills when there is no fire; and
- Preliminary first aid measures.

Emergency Response Information Must Be:

- Printed legibly in English;
- Available for use away from the package containing the hazardous materials; and

Presented:

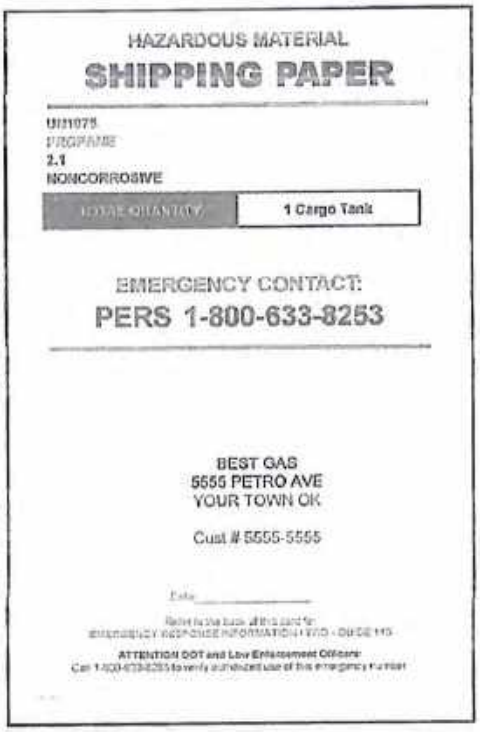
- On a shipping paper; **or**
- In a document other than a shipping paper, that includes both the basic shipping description and technical name of the hazardous material and the required emergency response information. (e.g., a Safety Data Sheet that includes all of the required information)

Maintenance of Emergency Response Information –

Carriers: Each private or common carrier who transports a hazardous material shall maintain emergency response information in the same manner required for shipping papers. (§177.817(e))

When a driver is at the vehicles controls, the shipping paper (and emergency response information) shall be within his/her immediate reach while restrained by the lap belt; and either readily visible to a person entering the cab or in a holder on the driver's door.

When the driver is not at the vehicles controls, the shipping paper and emergency response information shall be in the holder on the driver's door or on the driver's seat.


HAZARDOUS MATERIAL

SHIPPING PAPER

UN1075

PROPANE

2.1

NONCORROSIVE

TOTAL QUANTITY | 1 Cargo Tank

EMERGENCY CONTACT:

PERS 1-800-633-8253

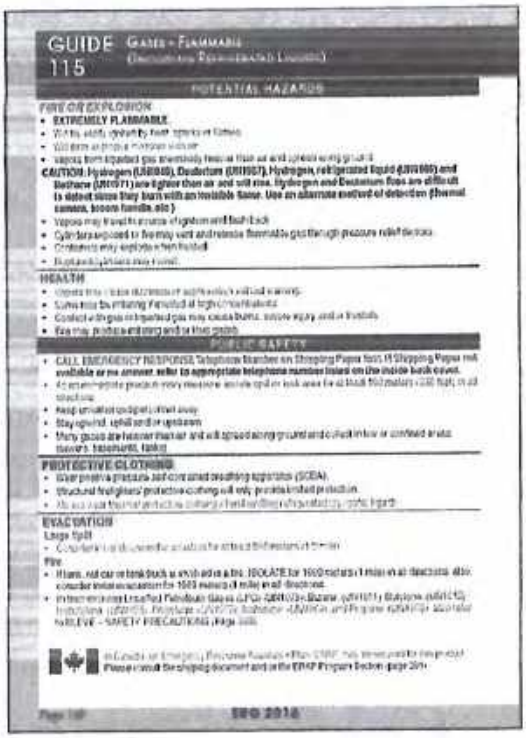
BEST GAS
5555 PETRO AVE
YOUR TOWN OK

Cust # 5555-5555

Date:

Refer to the back of this card for EMERGENCY RESPONSE INFORMATION / ERG - GUIDE 115

ATTENTION DOT and Law Enforcement Officers:
Can 1-800-633-8253 to verify authorized use of this emergency number


GUIDE 115 GASES - FLAMMABLE

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- EXTREMELY FLAMMABLE.

CAUTION: Hydrogen (UN1049), Deuterium (UN1957), Hydrogen, refrigerated liquid (UN1966) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, sound, bubbles, etc.)

- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.

HEALTH

- Asphyxiant in high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.

PUBLIC SAFETY

- CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Keep unnecessary people away.
- Stay upwind, uphill and/or upstream.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 1000 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also consider initial evacuation for 1600 meters (1 mile) in all directions.

Please consult the shipping document and the ERAP Program Section, page 20+

ERG 2016

The example above is one way in which the requirement for emergency response information may be met. This example shows the appropriate guide (ERG Guide 115) from the Emergency Response Guidebook printed on the back of a shipping paper.

Each operator of a facility where a hazardous material is received, stored or handled during transportation, shall maintain emergency response information as required by Part 172 subpart G whenever the hazardous materials are present. This information must be maintained in a location that is immediately accessible to facility personnel in the event of an incident involving the hazardous material.

Emergency Response Telephone Number: **(See §172.604)** A person who offers a hazardous material for transportation must provide an emergency response telephone number, including the area code or international access code, for use in the event of an emergency involving the hazardous material. The telephone number must be –

- Monitored at all times the hazardous material is in transportation, including storage incidental to transportation;

- The telephone number of a person who is knowledgeable of the hazardous materials being shipped and has comprehensive emergency response and incident mitigation information for the material. A telephone number that requires a call back such as an answering service, answering machine or beeper does not meet this requirement.

The Emergency Response Telephone Number Must Be Entered On A Shipping Paper As Follows:

- Immediately following the description of the hazardous material required on the shipping paper; or

- Entered once on the shipping paper in a clearly visible location. This provision may be used only if the telephone number applies to all of the hazardous materials entered on the shipping paper and if the telephone number is indicated as for emergency response information (for example: EMERGENCY CONTACT: ***).

- The name of the person, (Company) and or the contract or account number assigned by the provider of the emergency contact telephone number.

The person who is registered with the emergency contact telephone number provider must ensure that the agency (PERS or other provider) has received current information on the material before it is offered for transportation. (Typically this is a current Safety Data Sheet for each hazardous material)

See next page

The ERG Includes 3 Tables in the Green Section.

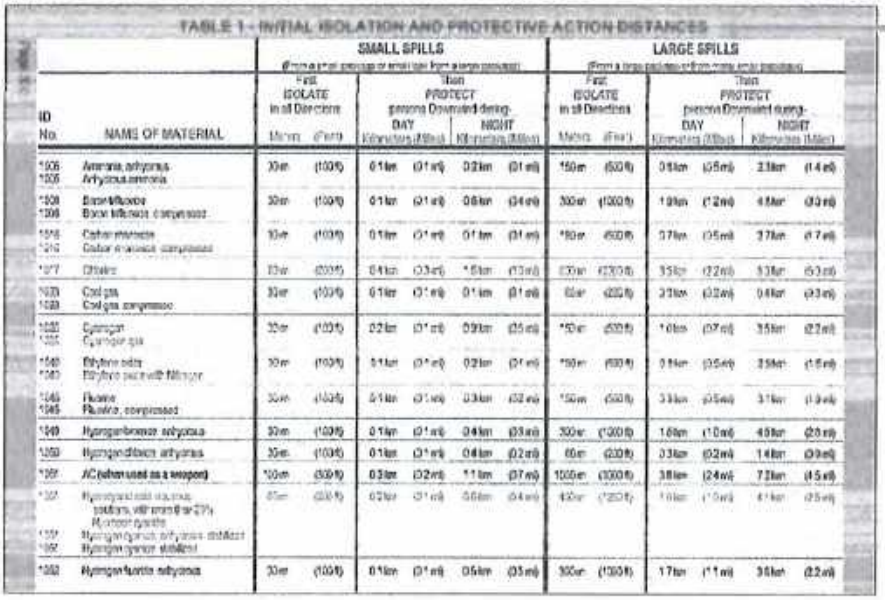


TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No.	NAME OF MATERIAL	SMALL SPILLS (From a small package or small leak from a large package) First ISOLATE in all Directions		Then PROTECT persons Downwind during: DAY		NIGHT		LARGE SPILLS (From a large package or from many small packages) First ISOLATE in all Directions		Then PROTECT persons Downwind during: DAY		NIGHT	
		Meters	(Feet)	Kilometers	(Miles)	Kilometers	(Miles)	Meters	(Feet)	Kilometers	(Miles)	Kilometers	(Miles)
1005 1005	Ammonia, anhydrous Anhydrous ammonia	30m	(100ft)	0.1km	(0.1mi)	0.2km	(0.1mi)	150m	(500ft)	0.5km	(0.5mi)	2.3km	(1.4mi)
1008 1008	Boron trifluoride Boron trifluoride, compressed	30m	(100ft)	0.1km	(0.1mi)	0.6km	(0.4mi)	300m	(1000ft)	1.9km	(1.2mi)	4.6km	(2.9mi)
1016 1016	Carbon monoxide Carbon monoxide, compressed	30m	(100ft)	0.1km	(0.1mi)	0.1km	(0.1mi)	150m	(500ft)	0.7km	(0.5mi)	2.7km	(1.7mi)
1017	Chlorine	60m	(200ft)	0.4km	(0.3mi)	1.5km	(1.0mi)	570m	(2000ft)	3.5km	(2.2mi)	5.3km	(3.3mi)
1026 1026	Cyanogen Cyanogen, compressed	30m	(100ft)	0.1km	(0.1mi)	0.1km	(0.1mi)	60m	(200ft)	0.3km	(0.2mi)	0.6km	(0.3mi)
1052 1052	Hydrogen fluoride, anhydrous Hydrogen fluoride, anhydrous	30m	(100ft)	0.2km	(0.1mi)	0.9km	(0.6mi)	150m	(500ft)	1.0km	(0.7mi)	3.5km	(2.2mi)
1048 1048	Hydrogen bromide, anhydrous Hydrogen bromide, anhydrous, compressed	30m	(100ft)	0.1km	(0.1mi)	0.2km	(0.1mi)	150m	(500ft)	0.5km	(0.3mi)	2.5km	(1.6mi)
1050 1050	Hydrogen chloride, anhydrous Hydrogen chloride, anhydrous, compressed	30m	(100ft)	0.1km	(0.1mi)	0.3km	(0.2mi)	150m	(500ft)	0.5km	(0.3mi)	3.1km	(1.9mi)
1066 1066	Nitrogen dioxide, liquid Nitrogen dioxide, compressed	30m	(100ft)	0.1km	(0.1mi)	0.4km	(0.3mi)	300m	(1000ft)	1.6km	(1.0mi)	4.6km	(2.9mi)
1067	Dinitrogen tetroxide (nitrogen tetroxide)	30m	(100ft)	0.1km	(0.1mi)	0.4km	(0.2mi)	60m	(200ft)	0.3km	(0.2mi)	1.4km	(0.9mi)
1017	Chlorine (when used as a weapon)	100m	(330ft)	0.3km	(0.2mi)	1.1km	(0.7mi)	1000m	(3000ft)	3.8km	(2.4mi)	7.2km	(4.5mi)
1067	Dinitrogen tetroxide (nitrogen tetroxide), with more than 33% Nitrogen oxide	60m	(200ft)	0.2km	(0.1mi)	0.6km	(0.4mi)	450m	(1500ft)	1.6km	(1.0mi)	4.1km	(2.5mi)
1067	Dinitrogen tetroxide, anhydrous (nitrogen tetroxide)												
1067	Dinitrogen tetroxide (nitrogen tetroxide)												
1053	Hydrogen sulfide, anhydrous	30m	(100ft)	0.1km	(0.1mi)	0.5km	(0.3mi)	300m	(1000ft)	1.7km	(1.1mi)	3.6km	(2.2mi)

Green Section Table 1

Table 1 above provides recommended "Initial Isolation and Protective Action Distances" by ID Number and Name of Material. This table provides recommendations for Initial Isolation Distances and Protective Action Distances during emergencies involving the listed materials. Additional guidance is provided in the ERG on how to use this information.

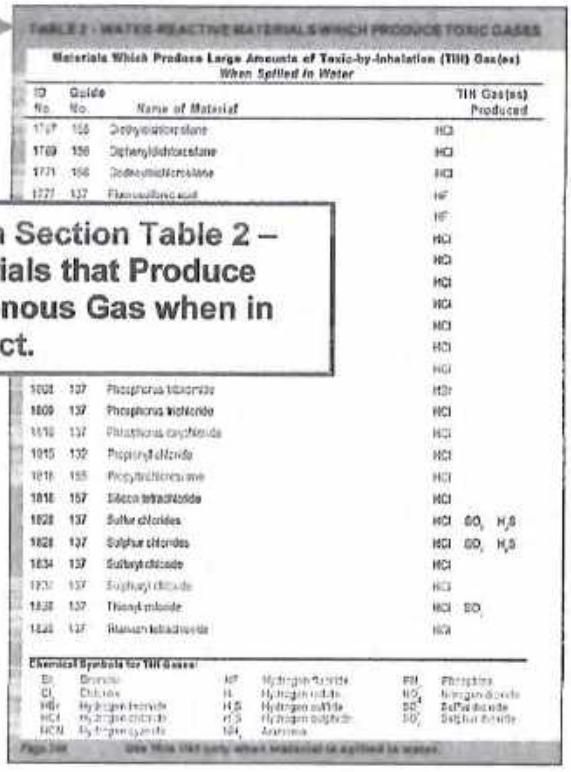


TABLE 2 - WATER-REACTIVE MATERIALS WHICH PRODUCE TOXIC GASES

Materials Which Produce Large Amounts of Toxic-by-Inhalation (TIH) Gas(es) When Spilled in Water

ID No.	Guide No.	Name of Material	TIH Gas(es) Produced
1767	156	Dichlorophenylsilane	HCl
1769	156	Diphenyldichlorosilane	HCl
1771	156	Dodecyltrichlorosilane	HCl
1777	137	Fluorosulfonic acid	HF
1786	157	Hydrofluoric acid, anhydrous	HF
1787	157	Hydrofluoric acid, solution	HF
1789	157	Hydrochloric acid	HCl
1790	157	Hydrofluoric acid, solution	HF
1796	157	Nitrating acid, mixture	HCl
1798	157	Nitrohydrochloric acid	HCl
1799	156	Nonyltrichlorosilane	HCl
1800	156	Octadecyltrichlorosilane	HCl
1801	156	Octyltrichlorosilane	HCl
1802	154	Perchloric acid, anhydrous	HCl
1803	154	Perchloric acid, solution	HCl
1804	156	Phenyltrichlorosilane	HCl
1805	154	Phosphoric acid, solution	HCl
1806	137	Phosphorus pentachloride	HCl
1808	137	Phosphorus tribromide	HBr
1809	137	Phosphorus trichloride	HCl
1810	137	Phosphorus oxychloride	HCl
1815	132	Propionyl chloride	HCl
1816	155	Propyltrichlorosilane	HCl
1818	157	Silicon tetrachloride	HCl
1828	137	Sulfur chlorides	HCl SO_2 H_2S
1828	137	Sulphur chlorides	HCl SO_2 H_2S
1834	137	Sulfuryl chloride	HCl
1834	137	Sulphuryl chloride	HCl
1836	137	Thionyl chloride	HCl SO_2
1838	137	Titanium tetrachloride	HCl

Chemical Symbols for TIH Gases:

Br	Bromine	HF	Hydrogen fluoride	PH	Phosphine
Cl	Chlorine	H	Hydrogen iodide	NO_2	Nitrogen dioxide
HBr	Hydrogen bromide	H_2S	Hydrogen sulfide	SO_2	Sulfur dioxide
HCl	Hydrogen chloride	H_2S	Hydrogen sulphide	SO_2	Sulphur dioxide
HCN	Hydrogen cyanide	NH_3	Ammonia		

Green Section Table 2 – **Materials that Produce Poisonous Gas when in contact.**

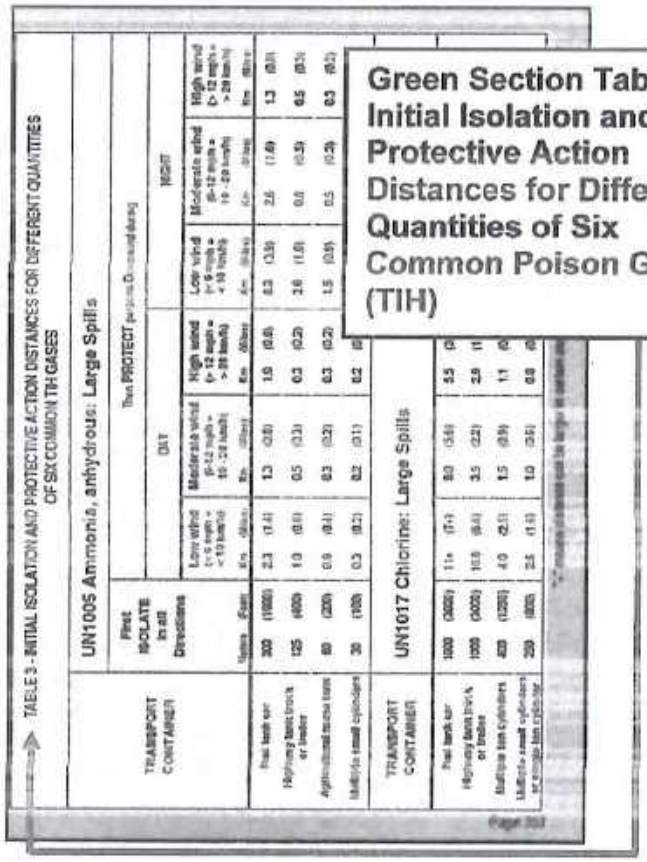


TABLE 3 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES FOR DIFFERENT QUANTITIES OF SIX COMMON TIH GASES

UN1005 Ammonia, anhydrous: Large Spills

UN1017 Chlorine: Large Spills

Green Section Table 3 – **Initial Isolation and Protective Action Distances for Different Quantities of Six Common Poison Gases. (TIH)**

PART III – Business Emergency Plan (BEP)

Please read the instructions (on green page 24) prior to completing this Business Emergency Plan. Print legibly in black ink or type the information and make a copy for your records. Return the completed original forms, with Parts I and II, to:

Orange County Fire Authority
Hazardous Materials Services (HMS)
P.O. Box 57115
Irvine, CA 92619

Mark the correct box:

☐ This is the first time I have filed a BEP.
☐ A BEP is required to be reviewed every three years. I am submitting my BEP to meet this requirement.
☐ There have been changes in my business operation and/or personnel and I am submitting a new BEP with current information.
X There have not been changes in my business operation and/or personnel and I am submitting a certification attesting that I have reviewed the current BEP and it is still valid and up to date. (You must complete this page only, initial here and return.) Owner's initials:_____

Business Name Pacific Coast Propane LLC

Address 11911 Jeffrey Rd., Irvine CA 92602

Required Signatures

I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the submitted information is true, accurate, and complete.

Owner/Operator Name (Print) Chuck Schmidt	Signature	Date 6/01/2016
BEP Prepared By (Print) Claudia Ramirez	Signature	Date 6/1/2016

NOTIFICATION

A hazardous materials Emergency requires emergency responders, causes danger to employees requiring immediate medical attention can require response from different regulating agencies, and/or results in an actual or potential uncontrolled release. Dial 9-1-1.

A hazardous materials Incident is a spill or release that can be absorbed, neutralized, or otherwise controlled at the time of the release. Generally, the substance can be controlled by the employees in the immediate area or by maintenance personnel and there are no immediate safety or health hazards.

Your business shall provide an immediate, verbal report of any release or threatened release of a hazardous material to the Administering Agency (HMS) and State OES as soon as: 1) a person has knowledge of the release or threatened release; and 2) notification can be provided without impeding immediate control of the release or threatened release. Those numbers are:

State Office of Emergency Services (OES):	(800) 852-7550 or (916) 845-8911
Orange County Fire Authority/ Hazardous Materials Section (HMS):	(714) 573-6250

Person responsible for calling HMS and OES:

Chuck Schmidt Manager
Name Title

Person responsible for calling 911 if the incident is also an emergency:

Chuck Schmidt Manager
Name Title

State law requires your business to complete all sections of the Emergency Response Procedure listed below. Those items left blank or complete with an "N/A" are not acceptable and in violation of Health & Safety Code (HSC) § 25505.

Do not submit business policies or procedure manual in lieu of completing these sections.

TRAINING

EMPLOYEE TRAINING PROGRAM – By law, all employees shall be trained in the methods for safe handling of hazardous materials, and in safety procedures in the event of a release or threatened release of hazardous materials.

Describe the training new employees receive regarding hazardous materials safety.

1) Written test
2) One Day seminar
3) Driving Test

Describe the training employees receive on an annual basis regarding hazardous materials safety.

Every 6 months they receive a refresher course on the safety and hazards of propane.

Describe when an employee would receive refresher training in hazardous materials safety.

Every six months or if an incident occurs, an employee is given a refresher training.

MITIGATION

How does your business prevent spills from occurring?

We have safety internal valves and access flow auto shut-off valves.

What methods does your business have to prevent a spill from spreading?

Product vaporizes before spill can spread.

ABATEMENT

List the types of releases that can occur at your business and how each type of release will be stopped.
Example: Processing pipe breaks – release is stopped with pipe clamps designed for this purpose.

We use minimum size hoses and valves.

How do you handle the clean-up and disposal of released materials at your facility?

There is nothing to clean, product vaporizes.

What aspects of an incident (release) are beyond your ability and need to be handled by others?
Example: Disposal of released materials – call ABC Waste Disposal Company @ (000) 123-4567.

If there is a case that we cannot handle, PEERS will be called **800-728-2482**

EVACUATION

How will you immediately notify and evacuate your facility? If the method of notification requires electrical power, how will it be operated during a power failure?

We have a protocol. .

We manually override the system, and everyone evacuates and meets at the STAGING AREA.

Do you have a pre-arranged employee staging area? If yes, where do employees meet after being evacuated? Who is responsible to account for the evacuated employees?

Yes…
- ANY EMPLOYEE WILL REPORT EMERGENCY TO SUPERVISOR.
- SUPERVISOR WILL NOTIFY EMERGENCY COORDINATOR.
- COORDINATOR WILL ORDER AN EVACUATION OF THE PLANT. EVACUATION MAP IS POSTED.
- SUPERVISOR WILL PERFORM HEAD COUNT IN STAGING AREA.
- COORDINATOR WILL CONTACT EMERGENCY RESPONDERS.

If you do not have an employee staging area, how will you account for the employees, to make sure that everyone has been evacuated?

We do have a Staging Area.

ADDITIONAL INFORMATION

Your business is required by State Law to keep a copy of this Business Emergency Plan, including the chemical inventory and Site Map. Describe where copies of this plan as well as other records required by this plan (i.e. employee training, release reports, safety drills, maintenance records) will be located at your business.

Business Emergency Plan will be located at the business.

Identify the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous materials:

Hospital/Clinic Sand Canyon Urgent Care			
Address 16100 San Canyon Rd., Ste 150	City Irvine	Zip Code 92618	Phone Number (949) 417 - 0272

Does your business have a private on-site emergency response team? ☐ Yes x No
If yes, describe what policies and procedures your business will follow to notify your on-site emergency response team in the event of an emergency:

Record and Certification of Hazmat Employee Training

EMPLOYEE NAME:	EMPLOYER NAME:
Jason Cook	PACIFIC COAST PROPANE

The above named employee has successfully completed hazmat employee training to satisfy the hazardous materials training requirements of 49 CFR, Subpart H, § 172.704

RECORDKEEPING REQUIREMENTS

§ 172.704 (d) Recordkeeping. A record of current training, inclusive of the preceding 3 years, in accordance with this subpart shall be created and retained by each hazmat employer for as long as that employee is employed by that employer as a hazmat employee and for 90 days thereafter. The record shall include: (1) The hazmat employee's name; (2) The most recent training completion date of the hazmat employee's training; (3) A description, copy, or the location of the training materials used to meet the requirements in paragraph (a) of this section; (4) The name and address of the person providing the training; and (5) Certification that the hazmat employee has been trained and tested, as required by this subpart.

CURRENT TRAINING		
Date Training Completed	**Description of Training**	**Name and Address of Trainer/Facilitator**
6/28/2017	**Hazmat Employee Training**	KURT LANTZ 539 W. MAIN ST. ONTARIO, CA. 91762

PROFESSIONAL EMERGENCY RESOURCE SERVICES
TO REORDER CALL:
(PH) 800-728-2482 / (FX) 801-629-0680

Record and Certification of Hazmat Employee Training

EMPLOYEE NAME:	EMPLOYER NAME:
Beniamin Ponoran	PACIFIC COAST PROPANE

The above named employee has successfully completed hazmat employee training to satisfy the hazardous materials training requirements of 49 CFR, Subpart H, § 172.704

RECORDKEEPING REQUIREMENTS

§ 172.704 (d) Recordkeeping. A record of current training, inclusive of the preceding 3 years, in accordance with this subpart shall be created and retained by each hazmat employer for as long as that employee is employed by that employer as a hazmat employee and for 90 days thereafter. The record shall include: (1) The hazmat employee's name; (2) The most recent training completion date of the hazmat employee's training; (3) A description, copy, or the location of the training materials used to meet the requirements in paragraph (a) of this section; (4) The name and address of the person providing the training; and (5) Certification that the hazmat employee has been trained and tested, as required by this subpart.

CURRENT TRAINING		
Date Training Completed	**Description of Training**	**Name and Address of Trainer/Facilitator**
06/28/2017	Hazmat Employee Training	KURT LANTZ 539 W. MAIN ST. ONTARIO, CA. 91762

PROFESSIONAL EMERGENCY RESOURCE SERVICES
TO REORDER CALL:
(PH) 800-728-2482 / (FX) 801-629-0680

Record and Certification of Hazmat Employee Training

EMPLOYEE NAME:	EMPLOYER NAME:
Rey Soriano	PACIFIC COAST PROPANE

The above named employee has successfully completed hazmat employee training to satisfy the hazardous materials training requirements of 49 CFR, Subpart H, § 172.704

RECORDKEEPING REQUIREMENTS

§ 172.704 (d) Recordkeeping. A record of current training, inclusive of the preceding 3 years, in accordance with this subpart shall be created and retained by each hazmat employer for as long as that employee is employed by that employer as a hazmat employee and for 90 days thereafter. The record shall include: (1) The hazmat employee's name; (2) The most recent training completion date of the hazmat employee's training; (3) A description, copy, or the location of the training materials used to meet the requirements in paragraph (a) of this section; (4) The name and address of the person providing the training; and (5) Certification that the hazmat employee has been trained and tested, as required by this subpart.

CURRENT TRAINING		
Date Training Completed	Description of Training	Name and Address of Trainer/Facilitator
06/28/2017	Hazmat Employee Training	KURT LANTZ 539 W. MAIN ST. ONTARIO, CA. 91762

PROFESSIONAL EMERGENCY RESOURCE SERVICES
TO REORDER CALL:
(PH) 800-728-2482 / (FX) 801-629-0680

Record and Certification of Hazmat Employee Training

EMPLOYEE NAME:	EMPLOYER NAME:
Bryan Serrano	PACIFIC COAST PROPANE

The above named employee has successfully completed hazmat employee training to satisfy the hazardous materials training requirements of 49 CFR, Subpart H, § 172.704

RECORDKEEPING REQUIREMENTS

§ 172.704 (d) Recordkeeping. A record of current training, inclusive of the preceding 3 years, in accordance with this subpart shall be created and retained by each hazmat employer for as long as that employee is employed by that employer as a hazmat employee and for 90 days thereafter. The record shall include: (1) The hazmat employee's name; (2) The most recent training completion date of the hazmat employee's training, (3) A description, copy, or the location of the training materials used to meet the requirements in paragraph (a) of this section; (4) The name and address of the person providing the training; and (5) Certification that the hazmat employee has been trained and tested, as required by this subpart.

CURRENT TRAINING		
Date Training Completed	Description of Training	Name and Address of Trainer/Facilitator
06/28/2017	Hazmat Employee Training	KURT LANTZ 539 W. MAIN ST. ONTARIO, CA. 91762

PROFESSIONAL EMERGENCY RESOURCE SERVICES
TO REORDER CALL:
(PH) 800-728-2482 / (FX) 801-629-0680

ORANGE COUNTY PRODUCE LLC (CERSID: 10523935)

Facility Information **Accepted Nov 29, 2021**

Submitted on 11/9/2021 9:18:35 AM by *Daniel Delgado* of ORANGE COUNTY PRODUCE LLC (IRVINE, CA)
Submittal was ***Accepted*** on 11/29/2021 11:09:43 AM by Lisa Wales

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted Nov 29, 2021**

Submitted on 11/9/2021 9:18:35 AM by *Daniel Delgado* of ORANGE COUNTY PRODUCE LLC (IRVINE, CA)
Submittal was ***Accepted*** on 11/29/2021 11:10:14 AM by Lisa Wales
Comments by regulator: Information verified at inspection conducted on 11/8/21.

- Hazardous Material Inventory (10)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 189KB)

Emergency Response and Training Plans **Accepted Nov 29, 2021**

Submitted on 11/9/2021 9:18:35 AM by *Daniel Delgado* of ORANGE COUNTY PRODUCE LLC (IRVINE, CA)
Submittal was ***Accepted*** on 11/29/2021 11:10:20 AM by Lisa Wales

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 368KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

California Environmental Reporting System (CERS) — Business Activities

Site Identification

ORANGE COUNTY PRODUCE LLC
11405 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10523935
EPA ID Number
CAL000288607

Submittal Status

Submitted on 11/9/2021 by *Daniel Delgado* of ORANGE COUNTY PRODUCE LLC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 11/29/2021 by *Lisa Wales* for Orange County Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

California Environmental Reporting System (CERS) — Business Owner Operator

Facility/Site

ORANGE COUNTY PRODUCE LLC
11405 JEFFREY RD
IRVINE, CA 92602

CERS ID
10523935

Submittal Status

Submitted on 11/9/2021 by *Daniel Delgado* of ORANGE COUNTY PRODUCE LLC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 11/29/2021 by *Lisa Wales* for Orange County Environmental Health

Identification

Orange County Produce LLC

Operator Phone	Business Phone	Business Fax
(949) 451-0880	(949) 451-0880	(949) 451-0885

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
071820869		

Facility/Site Mailing Address

11405 jeffrey rd
irvine, CA 92602

Primary Emergency Contact

daniel delgado
Title
food safety director

Business Phone	24-Hour Phone	Pager Number
(949) 451-0880	(949) 254-0154	

Owner

orange county produce llc
(949) 451-0880
11405 JEFFREY RD
IRVINE, CA 92602

Secondary Emergency Contact

blanca bermudez
Title
manager

Business Phone	24-Hour Phone	Pager Number
(949) 451-0880	(949) 254-0543	

Billing Contact

blanca bermudez
(949) 451-0880 blanca.bermudez@ocproduce.com
11405 JEFFREY RD
IRVINE, CA 92602

Environmental Contact

daniel delgado
(949) 451-0880 daniel.delgado@ocproduce.com
11405 JEFFREY RD
IRVINE, CA 92602

Name of Signer	Signer Title	Document Preparer
daniel delgado	food safety director	daniel delgado

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Orange County Produce LLC
Phone
(949) 451-0880
Mailing Address
11405 JEFFREY RD
IRVINE, CA 92602

Assessor Parcel Number (APN)

Number of Employees
3
Facility ID
FA0046863

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location **new oil shed**

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Stoddard Solvent** CAS No 8052-41-3	**Gallons** State Liquid Type Pure	**55** Storage Container Tank Inside Building, Steel Drum Days on Site: 365	**55**	20 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location **New oil shed**

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Drive Train Fluid	**Gallons**	**165**	**55**	165		- Health Acute Toxicity - Health Germ Cell Mutagenicity				
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						
Combustible Liquid, Class III-B	**Ethylene Glycol**	**Gallons**	**55**	**55**	55		- Health Acute Toxicity - Health Specific Target Organ Toxicity				
	CAS No: 107-21-1	State: Liquid	Storage Container: Steel Drum		Pressue:	Waste Code					
		Type: Pure	Days on Site: 365		Temperature: Ambient						
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil**	**Gallons**	**200**	**55**	200			VARIOUS LUBRICATING BASE OILS	85%		6474X-XX-X
	CAS No	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 221		ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	15% 2%		MIXTURE 68649-42-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient						
	Transmission Fluid	**Gallons**	**55**	**55**	55						
	CAS No: 64742-54-7	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location
P1- next to used oil 92- next to ice machine

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Flammable Gas	**Propane** CAS No 74-98-6	**Gallons** State Liquid Type Pure	**258** Storage Container Cylinder Days on Site: 365	**120**	258 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location **Shed 1 shop**

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**1084** Storage Container Cylinder Days on Site: 365	**250**	1084 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location **Shop tool shed**

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**315** Storage Container Cylinder Days on Site: 365	**365**	315 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				
	Argon mixed with Carbon Dioxide CAS No 70343-43-0	**Cu. Feet** State Gas Type Pure	**1127** Storage Container Cylinder Days on Site: 365	**360**	1127 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Aspiration Hazard				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **ORANGE COUNTY PRODUCE LLC**
Facility Name **ORANGE COUNTY PRODUCE LLC**
11405 JEFFREY RD , IRVINE 92602

Chemical Location
Used oil shed

CERS ID **10523935**
Facility ID **FA0046863**
Status **Submitted** on 11/9/2021 9:18 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Used lubricating oils CAS No 70514-12-4	**Gallons** State Liquid Type Pure	**500** Storage Container Steel Drum Days on Site: 365	**500**	200 Pressue Ambient Temperature Ambient	700 Waste Code 221	- Health Carcinogenicity - Health Reproductive Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Germ Cell Mutagenicity				

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # A1.	CERS ID # A2.	DATE OF PLAN PREPARATION/REVISION (MM/DD/YYYY) A3.
FA-0043-6863	10523935	11-09-2021

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* A4.
ORANGE COUNTY PRODUCE LLC

BUSINESS SITE ADDRESS A5.
11405 JEFFREY ROAD

BUSINESS SITE CITY A6.		ZIP CODE A7.
IRVINE	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A8.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A9.
AGRICULTURE	

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING (Check all that apply): A10.

☒ 1. HAZARDOUS MATERIALS; ☒ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR BY (Check all that apply): B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (e.g., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☒ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

In the event of an emergency involving hazardous materials and/or hazardous waste, all facilities must IMMEDIATELY:
1. Notify facility personnel and evacuate if necessary in accordance with the Emergency Action Plan (Title 8 California Code of Regulations §3220);
2. Notify local emergency responders by calling 9-1-1;
3. Notify the local Unified Program Agency (UPA) at the phone number below; and
4. Notify the State Warning Center at (800) 852-7550.

Facilities that generate, treat, store or dispose of hazardous waste have additional responsibilities to notify and coordinate with other response agencies. Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator must follow the appropriate requirements for the category of facility and type of release involved:
1. Title 22 California Code of Regulations §66265.56. Emergency Procedures for generators of 1,000 kilograms or more of hazardous waste in any calendar month.
2. Title 22 California Code of Regulations §66265.196. Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems.
3. Title 40 Code of Federal Regulations §302.6. Notification requirements for a release of a hazardous substance equal to or greater than the reportable quantity.
4. Title 22 California Code of Regulations §66262.34(d)(2) and Title 40 Code of Federal Regulations §262.34(d)(5)(ii) for generators of less than 1000 kilograms of hazardous waste in any calendar month.

Following notification and before facility operations are resumed in areas of the facility affected by the incident, the Emergency Coordinator shall notify the local UPA and the local fire department's hazardous materials program, if necessary, that the facility is in compliance with requirements to:
1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA STATE WARNING CENTER (CSWC)/CAL OES.	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA)	714-433-6406 C1.
	OTHER (Specify): LOCAL FIRE DEPARTMENT C2.	800-545-5585 C3.
NEAREST MEDICAL FACILITY / HOSPITAL NAME: HOAG HOSPITAL C4.		949-764-4624 C5.

AGENCY NOTIFICATION PHONE NUMBERS:		
	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).	951-782-4130 C6.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT. OF FISH AND WILDLIFE (CDFW)	(916) 358-2900
	U.S. COAST GUARD (USCG)	(202) 267-2180
	CAL OSHA	(916) 263-2800
	CAL FIRE OFFICE OF THE STATE FIRE MARSHAL (OSFM)	(916) 323-7390
	OTHER (Specify): C7.	C8.
	OTHER (Specify): C9.	C10.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR BY (Check all that apply): C11.

- [x] 1. VERBAL WARNINGS;
- [x] 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- [x] 3. TELEPHONE;
- [ ] 4. PAGERS;
- [ ] 5. ALARM SYSTEM;
- [ ] 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY (Check all that apply): C12.

- [x] 1. VERBAL WARNINGS;
- [ ] 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- [x] 3. TELEPHONE;
- [ ] 4. PAGERS;
- [ ] 5. ALARM SYSTEM;
- [ ] 6. PORTABLE RADIO

EMERGENCY COORDINATOR CONTACT INFORMATION: ORANGE COUNTY PRODUCE LLC C13.

PRIMARY EMERGENCY COORDINATOR NAME: BLANCA E BERMUDEZ PHONE NO.: 949-254-0543 PHONE NO.: 949-451-0880

ALTERNATE EMERGENCY COORDINATOR NAME: DANIEL DELGADO PHONE NO.: 949-254-0154 PHONE NO.: 949-451-0880

- [ ] Check if additional Emergency Coordinator contact and address information is available onsite or by calling PHONE NO.:

Note: If more than one alternate emergency coordinator is designated, attach a list in order of responsibility.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

Check the applicable boxes to indicate your facility's procedures for containing spills and preventing and mitigating releases, fires and/or explosions.

D1.

- [x] 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- [x] 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls, built-in berms);
- [x] 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, spill pigs, spill pillows);
- [x] 4. COVER OR BLOCK FLOOR AND/OR STORM DRAINS;
- [ ] 5. LINED TRENCH DRAINS AND/OR SUMPS;
- [ ] 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- [x] 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS;
- [x] 8. STOP PROCESSES AND/OR OPERATIONS;
- [ ] 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- [x] 10. SHUT OFF WATER, GAS, ELECTRICAL UTILITIES;
- [x] 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE AND/OR MEDICAL AID;
- [x] 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AND/OR IMPACTED AREAS;
- [x] 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION;
- [x] 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE EMERGENCY RESPONSE TEAM;
- [x] 15. REMOVE CONTAINERS AND/OR ISOLATE AREAS;
- [x] 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- [x] 17. USE ABSORBENT MATERIAL FOR SPILL CONTAINMENT;
- [ ] 18. VACUUM SUCTION USING APPROPRIATE VACUUM (e.g., Intrinsically safe) FOR SPILL CONTROL AND/OR CLEANUP;
- [ ] 19. DECONTAMINATE PERSONNEL AND EQUIPMENT WITHIN DESIGNATED AREA AND DISPOSE OF WASTEWATER AS HAZARDOUS WASTE;
- [ ] 20. PROVIDE SAFE TEMPORARY STORAGE OF HAZARDOUS WASTE GENERATED DURING EMERGENCY ACTIONS;
- [ ] 21. OTHER (Specify): D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (Check all that apply): E1.

E2.

- [ ] 1. BELLS;
- [x] 2. HORNS/SIRENS;
- [x] 3. VERBAL (i.e., Shouting);
- [x] 4. OTHER (Specify): SPEAKER PHONE SYSTEM

THE FOLLOWING LOCATION(S) WILL BE USED FOR AN EMERGENCY ASSEMBLY AREA(S) (e.g., Parking lot, street corner): E3.

OPEN YARD AREA, IN FRONT OF THE TWO MAIN OFFICE TRAILERS.

Note: The Emergency Coordinator must account for all onsite employees and visitors after evacuation.

EVACUATION ROUTE S AND ALTERNATE EVACUATION ROUTES ARE DESCRIBED AS FOLLOWS: E4.

- [x] 1. WRITTEN PROCEDURES DESCRIBING ROUTES, EXITS, AND ASSEMBLY AREAS;
- [x] 2. EVACUATION MAP(S) DEPICTING ROUTES, EXITS, AND ASSEMBLY AREAS;
- [ ] 3. OTHER (Specify): E5.

Note: Evacuation procedures and/or maps should be posted in visible facility locations and must be included in the Contingency Plan.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following): F1.

- [x] 1. HAVE BEEN DETERMINED NOT NECESSARY;
- [ ] 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

Note: Advance arrangements with local fire and police departments, hospitals, state and local emergency response teams, and/or emergency services contractors should be made for your facility, if necessary. Large Quantity Generators must describe arrangements in the Contingency Plan.

G. EMERGENCY EQUIPMENT

Check the applicable boxes to list emergency response equipment available at the facility, identify the location(s) where the equipment is kept, and indicate the equipment's capability, if applicable.

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION G2.	CAPABILITY G3.
EXAMPLE	☒ *CHEMICAL PROTECTIVE GLOVES*	*SPILL RESPONSE KIT*	*SINGLE USE, OIL RESISTANT ONLY*
Safety and First Aid	1. ■ CHEMICAL PROTECTIVE SUITS, APRONS, AND/OR VESTS	SHOP	SINGLE USE
	2. ■ CHEMICAL PROTECTIVE GLOVES	SHOP	SINGLE USE
	3. ☐ CHEMICAL PROTECTIVE BOOTS		
	4. ■ SAFETY GLASSES, GOGGLES, AND FACE SHIELDS	SHOP	SINGLE USE
	5. ■ HARD HATS	SHOP	SINGLE USE
	6. ☐ AIR-PURIFYING RESPIRATORS		
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)		
	8. ■ FIRST AID KITS	SHOP	
	9. ☐ PLUMBED EYEWASH FOUNTAIN AND/OR SHOWER		
	10. ■ PORTABLE EYEWASH KITS AND/OR STATION	SHOP	
	11. ☐ OTHER		
Fire Fighting	12. ■ PORTABLE FIRE EXTINGUISHERS	THROUGHOUT THE YARD	
	13. ☐ FIXED FIRE SUPPRESSION SYSTEMS AND/ OR SPRINKLERS		
	14. ☐ FIRE ALARM BOXES		
	15. ■ OTHER	FIRE HYDRANTS	
Spill Control and Clean-Up	16. ■ ALL-IN-ONE SPILL KIT	SHOP	
	17. ■ ABSORBENT MATERIAL	OUTSIDE THE NEW OIL STORAGE	
	18. ■ CONTAINER FOR USED ABSORBENT	HAZARDOUS MATERIAL STORAGE	
	19. ■ BERM AND/OR DIKING EQUIPMENT	PART OF ALL IN 1 SPILL KIT -SHOP	
	20. ■ BROOM	SHOP	
	21. ■ SHOVEL	SHOP	
	22. ■ VACUUM	SHOP	
	23. ☐ EXHAUST HOOD		
	24. ☐ SUMP AND/OR HOLDING TANK		
	25. ☐ CHEMICAL NEUTRALIZERS		
	26. ☐ GAS CYLINDER LEAK REPAIR KIT		
	27. ☐ SPILL OVERPACK DRUMS		
	28. ☐ OTHER		
Communi-cations and Alarm Systems	29. ■ TELEPHONES (e.g., Cellular)	EMPLOYEE/OFFICE	
	30. ■ INTERCOM AND/OR PA SYSTEM	OFFICE	
	31. ☐ PORTABLE RADIOS		
	32. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT		
Other	33. ■ OTHER	HORN -OFFICE	
	34. ☐ OTHER		

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases due to seismic motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS (Check all that apply): H1.	LOCATIONS (e.g., Shop, outdoor shed, lab): H2.
☑ 1. HAZARDOUS MATERIALS AND/OR WASTE STORAGE AREAS	STORAGE CONTAINERS AND OUTDOOR
☐ 2. PROCESS LINES AND PIPING	
☐ 3. LABORATORY	
☐ 4. WASTE TREATMENT AREA	

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS AND/OR EQUIPMENT (Check all that apply): H3.	LOCATIONS: H4.
☐ 1. SHELVES, CABINETS AND/OR RACKS	
☑ 2. TANKS AND SHUT-OFF VALVES	SHOP/OUTDOOR
☑ 3. PORTABLE GAS CYLINDERS	SHOP/OUTDOOR
☐ 4. EMERGENCY SHUT-OFF AND/OR UTILITY VALVES	
☐ 5. SPRINKLER SYSTEMS	SHOP/OUTDOOR
☑ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane tank)	

I. EMPLOYEE TRAINING

Employee training is required for all employees and/or contractors handling hazardous materials and/or hazardous wastes during normal and/or emergency operations. Most facilities will need to submit a separate Training Plan. However, your CUPA may accept this section as the Training Plan for some small facilities.
Employee training plans may include the following content:

- Applicable laws and regulations;
- Emergency response plans and procedures;
- Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Hazards of materials and processes (e.g., fire, explosion, asphyxiation);
- Hazard mitigation, prevention and abatement procedures;
- Coordination of emergency response actions;
- Notification procedures for local emergency responders, CUPA, Cal OES, and onsite personnel;
- Communication and alarm systems;
- Personal protective equipment;
- Use and maintenance of emergency response equipment and supplies (e.g. Fire extinguishers, respirators, spill control materials);
- Decontamination procedures;
- Evacuation procedures and evacuation staging locations;
- Identification of facility areas, equipment, and systems vulnerable to earthquakes and other natural disasters.
- OTHER (Specify):

Check the applicable boxes below to indicate how the employee training program is administered.

☑ 1. FORMAL CLASSROOM ☑ 2. VIDEOS ☑ 3. SAFETY MEETINGS ☐ 4. STUDY GUIDES / MANUALS I1.

☐ 5. OTHER (Specify): I2.

☐ 6. NOT APPLICABLE SINCE FACILITY HAS NO EMPLOYEES

☐ 7. CHECK IF A SEPARATE EMPLOYEE TRAINING PLAN IS USED AND UPLOADED TO CERS AS A PDF DOCUMENT I3.

☑ 8. CHECK IF EMPLOYEE TRAINING IS COVERED BY THE ABOVE REFERENCED CONTENT AND OTHER DOCUMENTS ONSITE I4.

EMPLOYEE TRAINING FREQUENCY AND RECORDKEEPING TRAINING MUST BE:

- Provided initially for new employees as soon as possible following the date of hire. New employees should not work in an unsupervised position that involves hazardous materials handling and/or hazardous waste management without proper training;
- Provided within six months from the date of hire for new employees at a large quantity generator;
- Ongoing and provided at least annually;
- Amended prior to a change in process or work assignment;
- Given upon modification to the Emergency Response/Contingency Plan.

Large Quantity Generator Training: Large quantity generators (1,000 kg or more) must retain written plan and documentation of employee training which includes:

- A written description of the type and amount of both initial and ongoing training that will be given to persons filling each job position having responsibility for hazardous waste management and/or emergency response.
- The name, job title and job description for each position at the facility related to hazardous waste management.
- Current employee training records must be retained until closure of the facility and former employee training records must be retained for at least three years after termination of employment.

Small Quantity Generator Training: Small quantity generators (less than 1,000 kg) must include basic hazardous waste management and emergency response procedures but a written employee training plan and training records are not required. In order to show that the facility has met the small quantity generator employee training requirement, an employee training plan and training records may be made available.

Hazardous Materials Business Plan Training: Businesses must provide initial and annual employee training that includes the content referenced above. The training may be based on the job position and training records must be made available for a period of at least three years.

J. LIST OF ATTACHMENTS

Check one of the following: J1.

☐ 1. NO ATTACHMENTS ARE REQUIRED; or

☑ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

Safety training sheet, location map

JBR Engineering, INC. (CERSID: 10886560)

Facility Information **Accepted Dec 3, 2021**

Submitted on 12/2/2021 9:49:02 AM by *Francisco Mendez* of Best Management Construction Inc (Irvine)
Submittal was ***Accepted*** on 12/3/2021 9:41:56 AM by Lisa Wales

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted Dec 3, 2021**

Submitted on 12/2/2021 9:49:02 AM by *Francisco Mendez* of Best Management Construction Inc (Irvine)
Submittal was ***Accepted*** on 12/3/2021 9:45:36 AM by Lisa Wales
Comments by regulator: Information verified at inspection conducted on 11/8/2021.

- Hazardous Material Inventory (1)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (MS PowerPoint, 1565KB)

Emergency Response and Training Plans **Accepted Dec 3, 2021**

Submitted on 12/2/2021 9:49:02 AM by *Francisco Mendez* of Best Management Construction Inc (Irvine)
Submittal was ***Accepted*** on 12/3/2021 9:45:41 AM by Lisa Wales

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 425KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

California Environmental Reporting System (CERS) — Business Activities

Site Identification

JBR Engineering, INC.
11502 Jeffrey Rd
Irvine, CA 92602
County
Orange

CERS ID
10886560
EPA ID Number

Submittal Status

Submitted on 12/2/2021 by *Francisco Mendez* of Best Management Construction Inc (Irvine)
Submittal was ***Accepted***; Processed on 12/3/2021 by *Lisa Wales* for Orange County Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**No**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

California Environmental Reporting System (CERS) — Business Owner Operator

Facility/Site

JBR Engineering, INC.
11502 Jeffrey Rd
Irvine, CA 92602

CERS ID
10886560

Submittal Status

Submitted on 12/2/2021 by *Francisco Mendez* of Best Management Construction Inc (Irvine)
Submittal was ***Accepted***; Processed on 12/3/2021 by *Lisa Wales* for Orange County Environmental Health

Identification

Julian Mendez

Operator Phone	Business Phone	Business Fax	Beginning Date	Ending Date
(949) 768-3882	(949) 768-3882	(949) 768-4080	12/2/2021	12/1/2022

Dun & Bradstreet	SIC Code	Primary NAICS

Facility/Site Mailing Address

11502 1/2 Jeffrey Road
Irvine, CA 92602

Primary Emergency Contact

Julian Mendez
Title
President

Business Phone	24-Hour Phone	Pager Number
(949) 768-3882	(949) 422-8927	

Owner

Julian Mendez
(949) 768-3882
fmendez@bcmi.us
Irvine, CA 92602

Secondary Emergency Contact

Title

Business Phone	24-Hour Phone	Pager Number

Billing Contact

Debra Fried
(949) 768-3882 dfried@bmci.us
11502 1/2 Jeffrey Road
Irvine, CA 92602

Environmental Contact

Julian Mendez
(949) 768-3882 jmendez@bmci.us
11502 1/2 Jeffrey Road
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Francisco Mendez	Fleet Manager	Francisco Mendez

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Phone

Mailing Address

,

Assessor Parcel Number (APN)

Number of Employees

Facility ID

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Best Management Construction Inc**
Facility Name **JBR Engineering, INC.**
11502 Jeffrey Rd, Irvine 92602

Chemical Location **Shed**

CERS ID **10886560**
Facility ID **FA0067140**
Status **Submitted** on 12/2/2021 9:49 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68334-30-5	**Gallons** State Liquid Type Pure	**1000** Storage Container Aboveground Tank Days on Site: 365	**1000**	650 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard				

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # A1.	CERS ID # A2.	DATE OF PLAN PREPARATION/REVISION (MM/DD/YYYY) A3.
AL 0 0 0 2 3 8 0 0 0	10548994	02/28/2021

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* A4.
Best Management Construction, Inc.

BUSINESS SITE ADDRESS A5.
11502 1/2 Jeffrey Road

BUSINESS SITE CITY A6.		ZIP CODE A7.
Irvine	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A8.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A9.
Construction	N/A

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING (Check all that apply): A10.

☒ 1. HAZARDOUS MATERIALS; ☐ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR BY (Check all that apply): B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (e.g., 9-1-1)
☐ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

In the event of an emergency involving hazardous materials and/or hazardous waste, all facilities must IMMEDIATELY:
1. Notify facility personnel and evacuate if necessary in accordance with the Emergency Action Plan (Title 8 California Code of Regulations §3220);
2. Notify local emergency responders by calling 9-1-1;
3. Notify the local Unified Program Agency (UPA) at the phone number below; and
4. Notify the State Warning Center at (800) 852-7550.

Facilities that generate, treat, store or dispose of hazardous waste have additional responsibilities to notify and coordinate with other response agencies. Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator must follow the appropriate requirements for the category of facility and type of release involved:
1. Title 22 California Code of Regulations §66265.56. Emergency Procedures for generators of 1,000 kilograms or more of hazardous waste in any calendar month.
2. Title 22 California Code of Regulations §66265.196. Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems.
3. Title 40 Code of Federal Regulations §302.6. Notification requirements for a release of a hazardous substance equal to or greater than the reportable quantity.
4. Title 22 California Code of Regulations §66262.34(d)(2) and Title 40 Code of Federal Regulations §262.34(d)(5)(ii) for generators of less than 1000 kilograms of hazardous waste in any calendar month.

Following notification and before facility operations are resumed in areas of the facility affected by the incident, the Emergency Coordinator shall notify the local UPA and the local fire department's hazardous materials program, if necessary, that the facility is in compliance with requirements to:
1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA STATE WARNING CENTER (CSWC)/CAL OES.	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA)	714-433-6000 C1.
	OTHER (Specify): C2.	C3.

NEAREST MEDICAL FACILITY / HOSPITAL NAME: Hoag Hospital C4. 949-764-4624 C5.

AGENCY NOTIFICATION PHONE NUMBERS:		
	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).	951-782-4130 C6.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT. OF FISH AND WILDLIFE (CDFW)	(916) 358-2900
	U.S. COAST GUARD (USCG)	(202) 267-2180
	CAL OSHA	(916) 263-2800
	CAL FIRE OFFICE OF THE STATE FIRE MARSHAL (OSFM)	(916) 323-7390
	OTHER (Specify): C7.	C8.
	OTHER (Specify): C9.	C10.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR BY (Check all that apply): C11.

☒ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☐ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☐ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY (Check all that apply): C12.

☒ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☐ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☐ 6. PORTABLE RADIO

EMERGENCY COORDINATOR CONTACT INFORMATION: C13.

PRIMARY EMERGENCY COORDINATOR NAME: PHONE NO.: PHONE NO.:

ALTERNATE EMERGENCY COORDINATOR NAME: PHONE NO.: PHONE NO.:

☐ Check if additional Emergency Coordinator contact and address information is available onsite or by calling PHONE NO.:

Note: If more than one alternate emergency coordinator is designated, attach a list in order of responsibility.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

Check the applicable boxes to indicate your facility's procedures for containing spills and preventing and mitigating releases, fires and/or explosions.

D1.

☒ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
☒ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls, built-in berms);
☐ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, spill pigs, spill pillows);
☐ 4. COVER OR BLOCK FLOOR AND/OR STORM DRAINS;
☐ 5. LINED TRENCH DRAINS AND/OR SUMPS;
☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
☐ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS;
☒ 8. STOP PROCESSES AND/OR OPERATIONS;
☐ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
☐ 10. SHUT OFF WATER, GAS, ELECTRICAL UTILITIES;
☒ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE AND/OR MEDICAL AID;
☒ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AND/OR IMPACTED AREAS;
☒ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION;
☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE EMERGENCY RESPONSE TEAM;
☒ 15. REMOVE CONTAINERS AND/OR ISOLATE AREAS;
☐ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
☒ 17. USE ABSORBENT MATERIAL FOR SPILL CONTAINMENT;
☐ 18. VACUUM SUCTION USING APPROPRIATE VACUUM (e.g., Intrinsically safe) FOR SPILL CONTROL AND/OR CLEANUP;
☐ 19. DECONTAMINATE PERSONNEL AND EQUIPMENT WITHIN DESIGNATED AREA AND DISPOSE OF WASTEWATER AS HAZARDOUS WASTE;
☐ 20. PROVIDE SAFE TEMPORARY STORAGE OF HAZARDOUS WASTE GENERATED DURING EMERGENCY ACTIONS;
☐ 21. OTHER (Specify): D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (Check all that apply): E1.

☐ 1. BELLS; E2.
☐ 2. HORNS/SIRENS;
☒ 3. VERBAL (i.e., Shouting);
☐ 4. OTHER (Specify):

THE FOLLOWING LOCATION(S) WILL BE USED FOR AN EMERGENCY ASSEMBLY AREA(S) (e.g., Parking lot, street corner): E3.

Note: The Emergency Coordinator must account for all onsite employees and visitors after evacuation.

EVACUATION ROUTE S AND ALTERNATE EVACUATION ROUTES ARE DESCRIBED AS FOLLOWS: E4.

☐ 1. WRITTEN PROCEDURES DESCRIBING ROUTES, EXITS, AND ASSEMBLY AREAS;
☒ 2. EVACUATION MAP(S) DEPICTING ROUTES, EXITS, AND ASSEMBLY AREAS;
☐ 3. OTHER (Specify): E5.

Note: Evacuation procedures and/or maps should be posted in visible facility locations and must be included in the Contingency Plan.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following): F1.

☒ 1. HAVE BEEN DETERMINED NOT NECESSARY;
☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

Note: Advance arrangements with local fire and police departments, hospitals, state and local emergency response teams, and/or emergency services contractors should be made for your facility, if necessary. Large Quantity Generators must describe arrangements in the Contingency Plan.

G. EMERGENCY EQUIPMENT

Check the applicable boxes to list emergency response equipment available at the facility, identify the location(s) where the equipment is kept, and indicate the equipment's capability, if applicable.

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION G2.	CAPABILITY G3.
EXAMPLE	☒ *CHEMICAL PROTECTIVE GLOVES*	*SPILL RESPONSE KIT*	*SINGLE USE, OIL RESISTANT ONLY*
Safety and First Aid	1. ☐ CHEMICAL PROTECTIVE SUITS, APRONS, AND/OR VESTS		
	2. ☐ CHEMICAL PROTECTIVE GLOVES		
	3. ☐ CHEMICAL PROTECTIVE BOOTS		
	4. ☒ SAFETY GLASSES, GOGGLES, AND FACE SHIELDS	In lubricant drum storage area	
	5. ☒ HARD HATS	with employees at all times	
	6. ☐ AIR-PURIFYING RESPIRATORS		
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)	Main yard shed and all company vehicles	
	8. ☒ FIRST AID KITS		
	9. ☐ PLUMBED EYEWASH FOUNTAIN AND/OR SHOWER		
	10. ☒ PORTABLE EYEWASH KITS AND/OR STATION	Near lubricant storage area	
	11. ☐ OTHER		
Fire Fighting	12. ☒ PORTABLE FIRE EXTINGUISHERS	Throughout entire facility, signs posted	
	13. ☐ FIXED FIRE SUPPRESSION SYSTEMS AND/ OR SPRINKLERS		
	14. ☐ FIRE ALARM BOXES		
	15. ☐ OTHER		
Spill Control and Clean-Up	16. ☒ ALL-IN-ONE SPILL KIT	Near lubricant area	
	17. ☒ ABSORBENT MATERIAL	Near lubricant area	
	18. ☒ CONTAINER FOR USED ABSORBENT	Near lubricant area	
	19. ☐ BERM AND/OR DIKING EQUIPMENT		
	20. ☒ BROOM	Near lubricant area	
	21. ☒ SHOVEL	Near lubricant area	
	22. ☐ VACUUM		
	23. ☐ EXHAUST HOOD		
	24. ☐ SUMP AND/OR HOLDING TANK		
	25. ☐ CHEMICAL NEUTRALIZERS		
	26. ☐ GAS CYLINDER LEAK REPAIR KIT		
	27. ☐ SPILL OVERPACK DRUMS		
	28. ☐ OTHER		
Communi-cations and Alarm Systems	29. ☒ TELEPHONES (e.g., Cellular)	Main yard shed	
	30. ☐ INTERCOM AND/OR PA SYSTEM		
	31. ☐ PORTABLE RADIOS		
	32. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT		
Other	33. ☐ OTHER		
	34. ☐ OTHER		

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases due to seismic motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS (Check all that apply): H1.	LOCATIONS (e.g., Shop, outdoor shed, lab): H2.
☒ 1. HAZARDOUS MATERIALS AND/OR WASTE STORAGE AREAS ☐ 2. PROCESS LINES AND PIPING ☐ 3. LABORATORY ☐ 4. WASTE TREATMENT AREA	Drum lubricant storage area

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS AND/OR EQUIPMENT (Check all that apply): H3.	LOCATIONS: H4.
☒ 1. SHELVES, CABINETS AND/OR RACKS ☐ 2. TANKS AND SHUT-OFF VALVES ☐ 3. PORTABLE GAS CYLINDERS ☐ 4. EMERGENCY SHUT-OFF AND/OR UTILITY VALVES ☐ 5. SPRINKLER SYSTEMS ☐ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane tank)	Lubricant drums

I. EMPLOYEE TRAINING

Employee training is required for all employees and/or contractors handling hazardous materials and/or hazardous wastes during normal and/or emergency operations. Most facilities will need to submit a separate Training Plan. However, your CUPA may accept this section as the Training Plan for some small facilities.
Employee training plans may include the following content:

- Applicable laws and regulations;
- Emergency response plans and procedures;
- Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Hazards of materials and processes (e.g., fire, explosion, asphyxiation);
- Hazard mitigation, prevention and abatement procedures;
- Coordination of emergency response actions;
- Notification procedures for local emergency responders, CUPA, Cal OES, and onsite personnel;
- Communication and alarm systems;
- Personal protective equipment;
- Use and maintenance of emergency response equipment and supplies (e.g. Fire extinguishers, respirators, spill control materials);
- Decontamination procedures;
- Evacuation procedures and evacuation staging locations;
- Identification of facility areas, equipment, and systems vulnerable to earthquakes and other natural disasters.
- OTHER (Specify):

Check the applicable boxes below to indicate how the employee training program is administered.

☐ 1. FORMAL CLASSROOM ☐ 2. VIDEOS ☒ 3. SAFETY MEETINGS ☐ 4. STUDY GUIDES / MANUALS I1.

☐ 5. OTHER (Specify): _____ I2.

☐ 6. NOT APPLICABLE SINCE FACILITY HAS NO EMPLOYEES

☐ 7. CHECK IF A SEPARATE EMPLOYEE TRAINING PLAN IS USED AND UPLOADED TO CERS AS A PDF DOCUMENT I3.

☐ 8. CHECK IF EMPLOYEE TRAINING IS COVERED BY THE ABOVE REFERENCED CONTENT AND OTHER DOCUMENTS ONSITE I4.

EMPLOYEE TRAINING FREQUENCY AND RECORDKEEPING TRAINING MUST BE:

- Provided initially for new employees as soon as possible following the date of hire. New employees should not work in an unsupervised position that involves hazardous materials handling and/or hazardous waste management without proper training;
- Provided within six months from the date of hire for new employees at a large quantity generator;
- Ongoing and provided at least annually;
- Amended prior to a change in process or work assignment;
- Given upon modification to the Emergency Response/Contingency Plan.

Large Quantity Generator Training: Large quantity generators (1,000 kg or more) must retain written plan and documentation of employee training which includes:

- A written description of the type and amount of both initial and ongoing training that will be given to persons filling each job position having responsibility for hazardous waste management and/or emergency response.
- The name, job title and job description for each position at the facility related to hazardous waste management.
- Current employee training records must be retained until closure of the facility and former employee training records must be retained for at least three years after termination of employment.

Small Quantity Generator Training: Small quantity generators (less than 1,000 kg) must include basic hazardous waste management and emergency response procedures but a written employee training plan and training records are not required. In order to show that the facility has met the small quantity generator employee training requirement, an employee training plan and training records may be made available.

Hazardous Materials Business Plan Training: Businesses must provide initial and annual employee training that includes the content referenced above. The training may be based on the job position and training records must be made available for a period of at least three years.

J. LIST OF ATTACHMENTS

Check one of the following: J1.

☐ 1. NO ATTACHMENTS ARE REQUIRED; or

☒ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

INSPECTION REPORT

nty of Orange, Health Care Agency, Environmenta alth
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0045626

BEST MANAGEMENT
CONSTRUCTION INC
11464 HICKS CANYON RD
IRVINE, CA 92602

Record ID: FA0039956
Inspection Date: 01/21/2016
Reinspection Date: 02/20/2016

Type of Facility: 5113-HAZARDOUS WASTE GENERATOR
26-50 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**

Mailing Address:
BEST MANAGEMENT CONSTRUCTION INC
24492 OVERLAKE DR
LAKE FOREST, CA 92630

Lisa Wales, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 559-0101
7:00-8:00 AM
LWales@ochca.com

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

I617 - All containers of hazardous waste were closed except when addiing or removing waste Failure to properly close hazardous waste containers when not in active use. 22 CCR 15 66265.173
One drum containing waste oil collected from drained filters and one drum of used oil filters were stored open. Containers of hazardous waste must remain stored closed except when adding or removing waste. Provide covers for these containers and send a photo of the closed containers to this Agency within 30 days to abate this violation.

On site for a routine hazardous waste inspection. Permission to conduct inspection was granted by Julian Mendez, President.

Facility generates the following hazardous wastes: used oil, waste antifreeze, and used oil filters.

Containers of hazardous waste were stored closed and properly labeled with the exception of one drum containing waste oil collected from drained filters and one drum of used oil filters which were stored open (see violation). Containers of hazardous waste must remain stored closed except when adding or removing waste. Provide covers for these containers and send a photo of the closed containers to this Agency within 30 days to abate this violation. Containers appeared to be in good condition.

Emergency information is posted. Manifests were available for review. Facility is currently assigned and using EPA ID Number CAC002844882.

Inspected perimeter of facility and dumpster area. No evidence of hazardous waste was observed.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title Inspection report sent via email to Julian Mendez on 1/22/16

Signature _____ Date _____

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC		FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 CAL000288607	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0046863	RELATED ID PR0054697	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 1/10/2019
PROGRAM DESCRIPTION 5112 - HAZARDOUS WASTE GENERATOR 11-25 EMPLOYEE			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Carlos Rangel, Field Manager

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED

ON SITE

Violation Status	Viol No.	Summary	Violation Degree
Container Management			
☐ ■ ☐ ☐ ☐ ☐	I400	Labeled all containers or portable tanks containing hazardous waste Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f)	CUPA - MINOR VIOLATION COMPLY BY: 2/9/2019

Inspector Comments:

Minor Violation: Failure to properly label hazardous waste accumulation containers.

Observation:
The hazardous waste label information was faded/illegible at the time of inspection for 1 x 55-gal drum containing used absorbent.

Corrective Action: Immediately label all hazardous waste containers with the following: "Hazardous Waste", name and address of the generator, the contents of the container, physical and chemical characteristics of the hazardous waste, and the start date of accumulation.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	11405 JEFFREY RD, IRVINE, CA 92602	10523935	01/10/2019

Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Hazardous Waste Management**	
☐ ■ ☐ ☐ ☐ ☐	I411	Containers of hazardous waste closed except when adding or removing waste Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak. 22 CCR 12 66262.34(d)(2); 40 CFR 1 262.34(d)(2), 265.173	CUPA - MINOR VIOLATION COMPLY BY: 2/9/2019

Inspector Comments:

Minor Violation: Open container of hazardous waste.

Observation: Observed used oil in two open pans stored in the Used Oil Shed at the time of inspection. Per Carlos Rangel, used oil filters are drained for up to two weeks and then punctured.

Corrective Action: Containers of hazardous waste must be closed at all times unless adding or removing waste.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	11405 JEFFREY RD, IRVINE, CA 92602	10523935	01/10/2019

Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Hazardous Waste Management**	
☐ ■ ☐ ☐ ☐ ☐	I023	Empty containers > 5 gallons properly managed Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or remanufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or remanufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied. 22 CCR 11 66261.7	**CUPA - MINOR VIOLATION** **COMPLY BY: 2/9/2019**

Inspector Comments:

Improper labeling of contaminated containers. 22 CCR 66261.7
Minor Violation: Containers that once held a hazardous substance must be labeled as “Empty” and the date that the container was emptied.

Observation: Observed at least four empty 55-gallon drums that once held a hazardous substance and were not marked as "empty" with the date that the container was emptied.

Corrective Action: Empty containers that once held hazardous material or waste must be labeled as “Empty” and the date that the container was emptied. Provided labels on this date.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	11405 JEFFREY RD, IRVINE, CA 92602	10523935	01/10/2019

Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Hazardous Waste Management**	
		Used Oil and Fuel Filters	
☐ ■ ☐ ☐ ☐ ☐	I375	Properly manages used oil and fuel filters Failure to properly manage used oil and/or fuel filters in accordance with the requirements. 22 CCR 16 66266.130; HSC 6.5 25250.22	CUPA - MINOR VIOLATION COMPLY BY: 2/9/2019

Inspector Comments:

Minor Violation: Failure to properly label drained used oil filter accumulation containers.

Observation:
At the time of inspection, the drums for drained used oil filters (one for metal filters and one for non-metal filters) were both missing the start date of accumulation.

Corrective Action: Immediately label drained used oil filter accumulation containers with the words "drained used oil filters" and the start date of accumulation.

Overall Inspection Comments:

No Overall Inspection Comments.

ATTENTION: There are 4 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	**11405 JEFFREY RD, IRVINE, CA 92602**	**10523935**	**01/10/2019**

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC	FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 N/A	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0046863	RELATED ID PR0091225	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 1/10/2019
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Carlos Rangel, Field Manager

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED

ON SITE

Violation Status					Viol No.	Summary	Violation Degree
IN	OUT	NA	UD	COS			
						Administration	
☐	■	☐	☐	☐ ☐	I208	Established/implemented a business plan when handling hazardous materials in reportable quantities Failure to establish and implement a business plan when storing hazardous materials at or above the reportable threshold quantities. HSC 6.95 25507	CUPA - CLASS II VIOLATION COMPLY BY: 2/9/2019

Inspector Comments:

Minor Violation: Failure to complete and/or electronically submit a Hazardous Materials Business Plan (HMBP) when storing and/or handling hazardous materials at or above the reportable threshold quantity.

Observation: Observed hazardous materials in reportable quantities during today's inspection.

Corrective Action: Immediately complete an HMBP and submit it electronically to the California Environmental Reporting System (CERS). The HMBP consists of the following: emergency response plans & procedures, a site map, and annual employee training related to hazardous materials handling and release reporting. Maintain annual employee training records for 3 years (sign-in sheet documenting the names of employees trained, the date they were trained, and the subject matter that they were trained on). This Agency provides assistance by appointment and by phone at (714) 433-6000.

Overall Inspection Comments:

Facility inspection conducted with Carlos Rangel (Field Manager) and Eddie Valderrama (employee).

Chemicals observed on this date were:
2 x 120-gal aboveground tanks of propane (one next to shed, one next to ice machine)
1 x 18-gal cylinder of propane (spare for forklift)

USED OIL SHED:
1 x 500-gallon aboveground storage tank of used oil

SHOP:
1, 127 cf of Argon/CO2 compressed gas mixture (largest container size = 381 cf)
1,084 cf of compressed oxygen gas (largest container size = 337 cf)
315 cf of compressed acetylene gas (largest container size = 120 cf)

NEW OIL SHEDS:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	11405 JEFFREY RD, IRVINE, CA 92602	10523935	01/10/2019

3 x 55-gal drums of tractor hydraulic fluid
4 x 55-gal drums of lubricating oil
2 x 55-gal drums of mineral spirits (Stoddard solvent)
1 x 55-gal drum of transmission fluid
1 x 55-gal drum of antifreeze

The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds of 55 gallons for a liquid, 500 pounds for a solid, and 200 cubic feet for a compressed gas. If there is a change in the type or amount of chemicals that are maintained on site, please electronically submit revised documents within 30 days of the change.

Hazardous Materials Business Plan (HMBP) documents can be submitted through the California Electronic Reporting System (CERS) located at http://cers.calepa.ca.gov/

Assisted business with the California Environmental Reporting System (CERS).

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC		FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 CAL000288607	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0046863	RELATED ID PR0054697	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 2/20/2019
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Violation I400 has been corrected and closed. Observed photo of completed hazardous waste label for used absorbent.

Violation I023 has been corrected and closed. Observed photo of drums labeled “Empty” with the date they were emptied.

--OPEN VIOLATIONS--
Violation I411 remains open.
Corrective Action: Containers of hazardous waste must be closed at all times unless adding or removing waste.

Violation I375 remains open.
Corrective Action: Immediately label drained used oil filter accumulation containers with the words “drained used oil filters” and the start date of accumulation.

These violations have changed from categorized as minor to Class II and now must be corrected immediately. Failure to correct the open violations may result in further enforcement action.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC		FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 N/A	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0046863	RELATED ID PR0091225	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 2/20/2019
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Violation I208 remains open.

Minor Violation: Failure to complete and/or electronically submit a Hazardous Materials Business Plan (HMBP) when storing and/or handling hazardous materials at or above the reportable threshold quantity.

Observation: Observed hazardous materials in reportable quantities during today's inspection.

Corrective Action: Immediately complete an HMBP and submit it electronically to the California Environmental Reporting System (CERS). The HMBP consists of the following: emergency response plans & procedures, a site map, and annual employee training related to hazardous materials handling and release reporting. Maintain annual employee training records for 3 years (sign-in sheet documenting the names of employees trained, the date they were trained, and the subject matter that they were trained on).

This violation has changed from categorized as minor to Class II and now must be corrected immediately. Failure to correct the open violations may result in further enforcement action.

Observed CERS submittal dated 1/10/2019 that was Not Accepted. CERS submittal dated 2/7/2019 is missing two sections. Please submit all 3 sections (Facility Information, Hazardous Materials Inventory, and Emergency Plan/Employee Training Plan) before the March 1st deadline in order to be in compliance with the annual reporting requirement.

This Agency provides assistance by appointment and by phone at (714) 433-6000.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	**11405 JEFFREY RD, IRVINE, CA 92602**	**10523935**	**02/20/2019**

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME PACIFIC COAST PROPANE	FACILITY ADDRESS 11911 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11911 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10502611 N/A	
C/O - OWNER PACIFIC COAST PROPANE-PACIFIC COAST PROPANE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0053927	RELATED ID PR0091172	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/25/2019
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Vance Morris (Service Technician)

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status					Viol No.	Summary	Violation Degree
IN	OUT	NA	UD	COS			
Site Map							
☐	■	☐	☐	☐	I632	Site Map with all required content electronically submitted Failure to complete and electronically submit a site map with all required content. HSC 25505(a)(2), 25508(a)(1)	CUPA - MINOR VIOLATION COMPLY BY: 12/25/2019

Inspector Comments:

Observation: The site map submitted on 3/1/2019 does not contain all of the information required by HSC 25505.

The site map is missing the following items:
- South loading area
- Access/exit point (add 4 gates around LPG tank)
- Add fire extinguisher (North East)

Revise the following items:
- Relocate the South West fire extinguisher

Corrective Action: Within 30 days, update the inventory and the site map to reflect the location of any reportable quantities of hazardous materials currently on site. The site map must include all of the following: site orientation, loading areas, internal roads, adjacent streets, storm drains and sewers, access and exit points, emergency shut-offs (natural gas, water and electrical), evacuation staging areas, hazardous material storage areas, and emergency response equipment.

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
PACIFIC COAST PROPANE	11911 JEFFREY RD, IRVINE, CA 92602	10502611	11/25/2019

Violation Status					Viol No.	Summary	Violation Degree
IN	OUT	NA	UD	COS			
						Training Program	
☐	■	☐	☐	☐	I239	Provided initial and annual training and maintained training records for a minimum of three years Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years. HSC 6.95 25505(a)(4)	CUPA - MINOR VIOLATION COMPLY BY: 12/25/2019

Inspector Comments:

Observation: Annual employee training program training records were not available for review. Per Vance, employees receive a 90-minute training every 6 months. Requested the content of the training; per Tim Huegel of Commercial Truck Consulting, he provides training on "T49 and propane specific awareness and safety training."

Per Section 25505(a)(3) Emergency response plans and procedures in the event of a release or threatened release of a hazardous material, including, but not limited to, all of the following:
(A) Immediate notification contacts to the appropriate local emergency response personnel and to the unified program agency.
(B) Procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment.
(C) Evacuation plans and procedures, including immediate notice, for the business site.
(4) Training for all new employees and annual training, including refresher courses, for all employees in safety procedures in the event of a release or threatened release of a hazardous material, including, but not limited to, familiarity with the plans and procedures specified in paragraph (3). These training programs may take into consideration the position of each employee. This training shall be documented electronically or by hard copy and shall be made available for a minimum of three years.

Corrective Action: Received training workbook outline for 49 CFR training. Annual employee training pertaining to HSC 25505 must be documented and 3 years of records must available for review during the next inspection.

Overall Inspection Comments:

Chemicals observed on this date were:
• 1 x 20,000-gallon aboveground storage tank (AST) of liquefied propane gas (LPG)

Per Vance Morris (Service Tech), the cylinders stored in the cage are empty. Propane gauges were observed to be at the empty level on this date.

Delivery drivers fill their tanks from the AST. Drivers only transport empty cylinders. The cylinders are then filled by the delivery driver on location at the job sites.

Propane cylinders are recertified at the Ontario facility after the first 12 years. The second recertification is then after 5 years (relief valve is changed). If there is residual propane, the Ontario facility has a flare-off stack where the propane container is hooked up and then burned off.

Per e-mail from Joey Ramirez of PCPropane: "The records for last three years may take a couple of days. But yes we are aware annual training will be due so that will happen beginning in 2020. Attached is our training workbook outline. Generally our contingency plans are kept in the trucks, accessible."

ATTENTION: There are 2 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
PACIFIC COAST PROPANE	**11911 JEFFREY RD, IRVINE, CA 92602**	10502611	11/25/2019

SIGNATURE(S) OF ACKNOWLEDGEMENT



NAME: Vance Morris
TITLE: Service Technician

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME PACIFIC COAST PROPANE		FACILITY ADDRESS 11911 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11911 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10502611 N/A	
C/O - OWNER PACIFIC COAST PROPANE-PACIFIC COAST PROPANE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0053927	RELATED ID PR0091172	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 1/2/2020
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

1) Violation I239 has been corrected and closed. Received “Emergency Response/Contingency Plan Employee Training Record (25505 HSC) Irvine, CA Site” document dated 12/19/2019 for 4 employees trained by Tim Huegel.

2) Violation I632 remains open.

Observation: The site map submitted on 12/5/2019 does not contain all of the information required by HSC 25505.

The site map is missing the following items:
- South loading area
- Add fire extinguisher (North East)

Revise the following items:
- Relocate the South West fire extinguisher

Corrective Action: Within 30 days, update the inventory and the site map to reflect the location of any reportable quantities of hazardous materials currently on site. The site map must include all of the following: site orientation, loading areas, internal roads, adjacent streets, storm drains and sewers, access and exit points, emergency shut-offs (natural gas, water and electrical), evacuation staging areas, hazardous material storage areas, and emergency response equipment.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME PACIFIC COAST PROPANE	FACILITY ADDRESS 11911 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11911 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10502611 N/A	
C/O - OWNER PACIFIC COAST PROPANE-PACIFIC COAST PROPANE LLC		INSPECTOR ALLISON MOK	
FACILITY ID FA0053927	RELATED ID PR0091172	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 5/5/2020
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

The site map uploaded on 1/23/2020 was revised to include the South loading area and changes to fire extinguisher locations.

Violation I632 has been corrected and closed.

There are no outstanding violations at this time.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME BEST MANAGEMENT CONSTRUCTION INC	FACILITY ADDRESS 11502 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11502 1/2 JEFFREY RD, IRVINE CA 92602	CERS ID 10548994	EPA ID CAC002844882	
C/O - OWNER BEST MANAGEMENT CONSTRUCTION INC	INSPECTOR LISA WALES		
FACILITY ID FA0039956	RELATED ID PR0045626	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5110 - HAZARDOUS WASTE SPECIAL GENERATOR			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous waste inspection with Julian Mendez. Hazardous waste was observed to be properly stored. Business is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC	FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 CAL000288607	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR LISA WALES	
FACILITY ID FA0046863	RELATED ID PR0054697	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ☐	I053	Disposed of hazardous waste within 180 days of accumulation Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days. HSC 6.5 25123.3(h)(1); 22 CCR 12 66262.34(d)	CUPA - CLASS II VIOLATION COMPLY BY: 12/9/2021

Inspector Comments:

Overall Inspection Comments:

On site for a routine hazardous waste inspection with Daniel Delgado. Hazardous waste was observed to be properly stored closed and labeled. Drums of waste absorbent and waste paper oil filters were observed with labels marked with accumulation start dates of 2/19/2019. Business does not have documentation indicating waste has picked up since 2019. Have these wastes picked up using a registered hazardous transporter and send a copy of the manifest to this Agency within 30 days.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	**11405 JEFFREY RD, IRVINE, CA 92602**	10523935	11/08/2021

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC		FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 N/A	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR LISA WALES	
FACILITY ID FA0046863	RELATED ID PR0091225	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ☐	I463	Business plan reviewed and electronically certified as complete/accurate on or before the due date Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508.2	CUPA - CLASS II VIOLATION COMPLY BY: 12/9/2021

Inspector Comments:

Submit your HMBP to CERS within 30 days.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Daniel Delgado. Business has disclosed 10 materials. There were no other materials observed on site meeting minimum disclosure thresholds. Business has not complied with the annual certification requirement. Submit your HMBP to CERS within 30 days.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
ORANGE COUNTY PRODUCE LLC	**11405 JEFFREY RD, IRVINE, CA 92602**	10523935	11/08/2021

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME BEST MANAGEMENT CONSTRUCTION INC		FACILITY ADDRESS 11502 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11502 1/2 JEFFREY RD, IRVINE CA 92602		CERS ID 10548994	EPA ID N/A
C/O - OWNER BEST MANAGEMENT CONSTRUCTION INC		INSPECTOR LISA WALES	
FACILITY ID FA0039956	RELATED ID PR0104629	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Julian Mendez. Business has disclosed 4 materials. There were no other materials observed on site meeting minimum disclosure thresholds. Site map was reviewed and appears accurate.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME ORANGE COUNTY PRODUCE LLC		FACILITY ADDRESS 11405 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11405 JEFFREY RD, IRVINE CA 92602		CERS ID / EPA ID 10523935 CAL000288607	
C/O - OWNER ORANGE COUNTY PRODUCE LLC		INSPECTOR LISA WALES	
FACILITY ID FA0046863	RELATED ID PR0054697	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 11/29/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Reviewed copies of manifests submitted for removal of oil, oil filters and oily debris/rags on 11/23/21. Violation I053 is abated.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
ORANGE COUNTY PRODUCE LLC	11405 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS		CERS ID / EPA ID	
11405 JEFFREY RD, IRVINE CA 92602		10523935 N/A	
C/O - OWNER		INSPECTOR	
ORANGE COUNTY PRODUCE LLC		LISA WALES	
FACILITY ID / RELATED ID / SERVICE:			INSPECTION DATE
FA0046863 / PR0091225 / F04 - REINSPECTION - OFF-SITE			11/29/2021
PROGRAM DESCRIPTION		REINSPECTION DATE:	
5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS		NEXT ROUTINE	

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Facility submitted their HMBP to CERS on 11/9/21. Violation I463 is abated.

Please note, your business is required to certify information submitted to CERS each year by March 1st.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
JBR ENGINEERING INC	11502 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS		CERS ID / EPA ID	
11502 1/2 JEFFREY RD, IRVINE CA 92602		N/A N/A	
C/O - OWNER		INSPECTOR	
JBR ENGINEERING INC		LISA WALES	
FACILITY ID	RELATED ID	SERVICE:	INSPECTION DATE
FA0067140	PR0124320	F04 - REINSPECTION - OFF-SITE	12/3/2021
PROGRAM DESCRIPTION			REINSPECTION DATE:
5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Reviewed and accepted CERS submittal. Violation I208 is abated.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
PACIFIC COAST PROPANE	11911 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS	CERS ID	EPA ID	
11911 JEFFREY RD, IRVINE CA 92602	10502611	N/A	
C/O - OWNER	INSPECTOR		
PACIFIC COAST PROPANE-PACIFIC COAST PROPANE LLC	JEFF NOFAL		
FACILITY ID / RELATED ID / SERVICE:		INSPECTION DATE	
FA0053927 / PR0091172 / A01 - ROUTINE INSPECTION		3/2/2022	
PROGRAM DESCRIPTION		REINSPECTION DATE:	
5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS		NEXT ROUTINE	

Consent to enter, inspect, and take photos of the facility was given by: Chuck Schmidt

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine inspection. This facility is unstaffed. Observed the 20,000 gallon propane tank.

Emergency response and contact information is available.

Received employee training records which are current.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

ADVANCED ENVIRONMENTAL CONCEPTS INC

February 28, 2010

Mr. Peter Changala
The Irvine Community – Agricultural Division
550 Newport Center Drive
Newport Beach, California 92660

RE: Soil Sampling at El Modeno Gardens
11911 Jeffrey Road
Irvine, California

Dear Mr. Changala;

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following summary letter regarding additional limited soil sampling at the El Modeno Gardens. This property is north of Portola Parkway and east of Jeffrey Road (Figure 1). The southern half of the El Modeno Gardens property has been used for cultivation of nursery annuals and perennials (generally 1-gallon size) since 1967 and the northern half of the property was converted from permanent plantings of citrus to nursery production during the 1990s. The central and southern thirds of the property are improved with greenhouses and protective netting; the northern third is open air and covered production.

Initial Sample Collection

On January 26, 2010 an AEC geologist collected surface (0.5' bgs) and subsurface (2.5', 10', 15', and 20' bgs) soil samples from nine biased and unbiased locations throughout the property. Biased locations consisted of the former gasoline tank emplacement (TH-G-1); former diesel tank emplacement (TH-D-2); the surface water collection area at the southeast corner of the property (TH-3); the water supply adjacent to the agricultural chemical storage container (TH-4); the interior of the wood-constructed fertilizer storage shed (TH-5); and the northern boundary of the site (TH-9) which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. The unbiased locations consisted of general areas within the nursery and were identified as TH-6, TH-7, and TH-8.

The soil sampling was conducted using a Geoprobe drilling rig or a hand auger. The hand auger was used due to access limitations, or when it was thought a subsurface irrigation line was proximal to the sampling location.

The initial sampling occurred in the area of the former 1,000-gallon gasoline UST and 6,000-gallon diesel UST. These tanks were removed in September 1998, by AEC, and the sampling beneath the USTs generally indicated non-detectable concentrations for the requested analyte. However, The Irvine Company requested that additional soil sampling be conducted to confirm the prior results. Since the former tank bottoms approximated 10-feet bgs, AEC commenced sample collection at that depth and continued to 20-feet bgs. The soil samples were collected in 3-foot long "macro" acetate sleeves. The soil sample from the required depth was obtained from

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the sleeve, capped, taped, and labeled with sample identification and depth of collection. The sample sleeves were recorded on a chain-of-custody, placed in an ice chest, and delivered to Associated Laboratories for analysis TPH-gasoline and diesel, volatile organic compounds (VOCs), and MTBE. The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides by EPA Method 8081A, arsenic, and lead.

Initial Analytical Results

The results for the chlorinated pesticide concentrations have been recorded in the following table:

Table 1
TPH-gas and diesel
El Modeno Gardens
January 26, 2010

Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-G-1-10'	1/26/2010	TPH-gas	ND<3 mg/kg	100 mg/kg	No
	1/26/2010	TPH-diesel	NA	1,000 mg/kg	NA
	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mg/Kg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	39 mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-G-1-15'	1/26/2010	TPH-gas	ND<3 mg/kg	100 mg/kg	No
	1/26/2010	TPH-diesel	NA	1,000 mg/kg	NA
	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mgKg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	39 mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-G-1-20'	1/26/2010	TPH-gas	ND<3 mg/kg	100 mg/kg	No
	1/26/2010	TPH-diesel	NA	1,000 mg/kg	NA
	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mgKg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	0.44mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-D-2-10'	1/26/2010	TPH-gas	NA	1,000 mg/kg	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg	1,000 mg/kg	No
	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mg/Kg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	0.44mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-D-2-15'	1/26/2010	TPH-gas	NA	100 mg/kg	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg	1,000 mg/kg	No

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	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/Kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mg/Kg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	0.44mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-D-2-20'	1/26/2010	TPH-gas	NA	100 mg/Kg	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg	1,000 mg/Kg	No
	1/26/2010	Benzene	ND<5 ug/kg	1.1 mg/Kg	No
	1/26/2010	Toluene	ND<5 ug/kg	500 mg/Kg	No
	1/26/2010	Ethyl Benzene	ND<5 ug/kg	5.7 mg/Kg	No
	1/26/2010	Xylenes	ND<5 ug/kg	450 mg/Kg	No
	1/26/2010	MTBE	ND<5 ug/kg	0.44mg/Kg	No

Table 2
Chlorinated Pesticides
Arsenic and Lead
El Modeno Gardens
January 26, 2010

Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-3-0.5'	1/26/2010	4, 4' – DDD	0.009 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.083 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.040 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	0.019 J mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	**4.72 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	5.80 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-3-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.19 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.047 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-4-0.5'	1/26/2010	4, 4' – DDD	0.040 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.90 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.012 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	**4.42 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	9.33 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**

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TH-4-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.0012 J mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	**40 mg/Kg**	1.7 mg/Kg	Yes
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	**21 mg/Kg**	0.44 mg/Kg	Yes
	1/26/2010	Arsenic	**7.14 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	108 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.013 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	4.38	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-6-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.11 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.15 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	1.2 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	**4.94 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	16.1 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-6-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.24 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.40 mg/Kg	1.7 mg/Kg	No

	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	**0.93 mg/Kg**	0.44 mg/Kg	Yes
	1/26/2010	Arsenic	**4.44 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	8.23 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-8-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	**4.51 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	3.76 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-8-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-9-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.0015 J mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
	1/26/2010	Arsenic	**3.25 mg/Kg**	0.39 mg/Kg	Yes
	1/26/2010	Lead	66.5 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-9-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No

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	1/26/2010	Arsenic	NA	0.39 mg/Kg	NA
	1/26/2010	Lead	4.18 mg/Kg	*150 mg/kg	No

Initial Conclusions

The sampling results for the former gasoline and diesel tank emplacements indicate that no residual hydrocarbon concentrations are evident which validate the prior sample collection of September 1998.

The biased soil sampling in the agricultural use areas indicate two areas of concern. The soil sample collected at 0.5-feet bgs (TH-5-0.5') from the hard-packed dirt floor of the very old wood constructed storage shed exhibits extremely elevated concentrations of 4,4-DDT (40 mg/kg) and Toxaphene (21 mg/kg). However, the vertical assessment soil sample (TH-5-2.5') exhibited 0.013 mg/kg of 4,4-DDT and ND<0.250 mg/kg of Toxaphene; both of which are well below their respective PRGs. Also, soil sample TH-5-0.5' exhibited 108 mg/kg of lead, however, the vertical assessment sample TH-5-2.5' exhibited a significant reduction to 4.38 mg/kg.

Unbiased soil sample TH-7-0.5', sited south of the eucalyptus windbreak that separates the former labor camp from the El Modeno Gardens property and adjacent to a north-south trending dirt access road exhibited a Toxaphene concentration of 0.93 mg/kg which exceeded its respective PRG of 0.44 mg/kg.

Finally, soil sample TH-9-0.5' exhibited a moderately elevated lead concentration of 96 mg/kg, however, it rapidly attenuated to 4.18 mg/kg at 2.5-feet bgs. This sample was collected down-gradient of the boundary of the pistol range of the former Orange County Shooting and Training Center.

Initial Recommendations

The results of this limited soil sampling of the El Modeno Gardens property indicated one soil sample exhibiting significant concentrations of the chlorinated pesticides, 4,4-DDT and Toxaphene (TH-5-0.5'), and one minor detection of Toxaphene (TH-7-0.5') that trigger a greater than one-in-a-million cancer risk compared to Residential Preliminary Remediation Goals. Based on these findings AEC recommended continuation with "step-out" sampling surrounding collection points TH-5 and TH-7 to identify the lateral distribution of the chlorinated pesticide impacted soil.

"Step-Out" Sample Collection

Therefore, on February 9, 2010 an AEC geologist returned to El Modeno Gardens to collect the "step-out" surface (0.5' bgs) soil samples proximal to TH-5 and TH-7; two areas that previously exhibited elevated Toxaphene and 4,4-DDT concentrations in surface soil. The "step-out" sampling locations were biased and consisted of the following: the "north" sample was collected at 0.5' bgs from 5-feet north of initial sample TH-5 or TH-7. The "south" sample was collected at 0.5' bgs from 10-feet south of the original sampling location; the "east" sample was collected at 0.5' bgs from 15-feet east of the original elevated sampling point; and the "west" sample was collected at 0.5' bgs from 20-feet west of the initial sampling point. The samples were identified based on original collection location followed by the new collection location i.e TH-7-N-0.5' is interpreted as original sample location TH-7, "N" depicts the new location to the north, and 0.5' depicts the depth bgs. AEC did not collect any soil samples deeper than 0.5' bgs since all prior analytical results indicated chlorinated pesticide concentrations well below the residential PRG. The samples were collected using a hand auger to achieve the desired depth followed by a hand-held drive sampler for actual soil collection.

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"Step-Out" Analytical Results

The results for the "step-out" chlorinated pesticide concentrations have been recorded in the following table:

Table 3
Chlorinated Pesticides
El Modeno Gardens
February 9, 2010

Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-5-N-0.5'	2/9/2010	4, 4' – DDD	0.00087 J mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.021 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.056 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.0045 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-S-0.5'	2/9/2010	4, 4' – DDD	0.017 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.26 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.53 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	0.0050 mgKg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.68 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-E-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.11 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.12 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-W-0.5'	2/9/2010	4, 4' – DDD	0.069 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.45 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.29 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	0.069 mg/Kg	0.03 mg/Kg	Yes
	2/9/2010	Toxaphene	1.1 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-L-0.5'	2/9/2010	4, 4' – DDD	0.021 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.021 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.30 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.53 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-N-0.5'	2/9/2010	4, 4' – DDD	0.013 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.028 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.069 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	0.027 mg/Kg	1.6 mg/Kg	No

	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.20 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-S-0.5'	2/9/2010	4, 4' – DDD	0.014 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.21 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.17 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.69 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-E-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.44 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.19 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.90 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-W-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.15 mg/Kg	1.7 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.089 mg/Kg	1.7 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/9/2010	Toxaphene	0.41 mg/Kg	0.44 mg/Kg	No

"Step-Out" Conclusions

The results of AEC's initial "step-out" sampling to evaluate the lateral limits of the chlorinated pesticide migration indicated two new areas of concern proximal to the location 20-feet west of TH-5 and 10-feet south of TH-5. In addition, two new areas of concern were identified 5-feet north of TH-7 and 15-feet east of TH-7. The current elevated Toxaphene concentrations identified in the TH-7 "step-out" samples were similar in concentration to the prior detections ranging between 0.5-1 mg/kg and the concentrations outside of the former ag chemical storage shed exhibited greatly attenuating concentrations of Toxaphene and 4,4-DDT from a high of 40 mg/kg and 21 mg/kg respectively from the center floor of the storage area to approximately 0.29 mg/kg of DDT and 1.1 mg/kg of Toxaphene in the "step-out" samples.

"Step-Out" Recommendations

AEC recommended conducting additional "step-out" sampling to identify the lateral extent of Toxaphene migration proximal to the northern and eastern "step-out" sample collection points associated with TH-7 and the southern and western "step-out" sample collection points associated with TH-5.

Additional "Step-Out" Sample Collection

Therefore, on February 19, 2010 an AEC geologist again returned to El Modeno Gardens to collect the additional "step-out" surface (0.5' bgs) soil samples proximal to TH-5 (west and south sample locations) and TH-7 (north and east sample locations); four areas that previously exhibited elevated Toxaphene concentrations in surface soil. The "step-out" sampling locations were again biased and consisted of the same sampling nomenclature: Again, the "north" sample was collected at 0.5' bgs from 5-feet north of initial sample TH-5-S or W or TH-7-N or E.

Therefore, the "south" sample was again collected at 0.5' bgs from 10-feet south of the original sampling location; the "east" sample was collected at 0.5' bgs from 15-feet east of the original elevated sampling point; and the "west" sample was collected at 0.5' bgs from 20-feet west of the initial sampling point. The samples were identified based on original collection location followed by the new collection location i.e TH-7-E-W-0.5' is interpreted as original sample location TH-7-E, "W" depicts the new location to the west, and 0.5' depicts the depth bgs. Again, AEC did not collect any soil samples deeper than 0.5' bgs since all prior analytical results indicated chlorinated pesticide concentrations well below the residential PRG. The samples were collected using a hand auger to achieve the desired depth followed by a hand-held drive sampler for actual soil collection.

Additional "Step-Out" Analytical Results

The results for the additional "step-out" chlorinated pesticide concentrations have been recorded in the following table:

Table 4
Chlorinated Pesticides
El Modeno Gardens
February 19, 2010

Sample ID.	Date	Analytes	Result	Residential PRG	Exceeds PRG?
TH-5-S-N-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0036 J mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.0045 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-S-S-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-S-E-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.035 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.018 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	0.016 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-S-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0026 J mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.0050 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-W-N-0.5'	2/19/2010	4, 4' – DDD	0.059 mg/Kg	2.4 mg/Kg	No

	2/19/2010	4, 4' – DDE	0.56 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.50 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	2.2 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-W-S-0.5'	2/19/2010	4, 4' – DDD	0.035 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.62 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.50 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	2.2 mg/Kg	0.44 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-5-W-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-S-N-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.055 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.0062 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	0.0027 J mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	0.39 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-S-S-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.023 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	0.37 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-S-E-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-S-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0022 J mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	0.0022 J mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**

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TH-7-E-N-0.5'	2/19/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0 025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0 003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-E-S-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.094 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.059 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	0.38 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-E-E-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential PRG**	**Exceeds PRG?**
TH-7-E-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.4 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.7 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.7 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.03 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.44 mg/Kg	No

Additional "Step-Out" Sampling Conclusions

The results of AEC's additional "step-out" sampling to evaluate the lateral limits of the chlorinated pesticide migration indicated only two new areas of concern proximal to the location 5-feet north and 10-feet south of TH-5-W. The current elevated Toxaphene concentrations identified in the TH-5-W "step-out" samples were both 2.2 mg/kg. Both of these sampling locations are within the "clean" western boundary as defined by TH-5-W-W-0.5' and the samples were collected from a sloping dirt apron that grades from the storage shed to the sampling points, therefore, not a surprise to identify elevated Toxaphene concentrations in this area as natural drainage would have transported the chemicals from the storage area to this sampled area. Therefore, AEC concludes that the boundaries of the migration have been defined.

Additional "Step-Out" Sampling Recommendations

AEC recommends conducting no more additional "step-out" sampling to identify the lateral extent of Toxaphene migration proximal to TH-5 and TH-7. Since the area is proposed as a future park location AEC recommends removal and disposal of the 4,4-DDT and Toxaphene impacted soil from the boundaries of the former storage shed and from TH-5-W-N-0.5' and TH-5-W-S-0.5'. The impacted soil should be excavated until soil samples indicate that Toxaphene concentrations do not exceed 1.6 mg/kg, which is the allowable concentration for industrial soil under EPA Region 9 guidelines (April 2009).

Closing

AEC appreciates the opportunity to prepare this summary for your review. If you should require additional information, please do not hesitate to contact AEC at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
California Registered Geologist #7468

J-Et Modeno

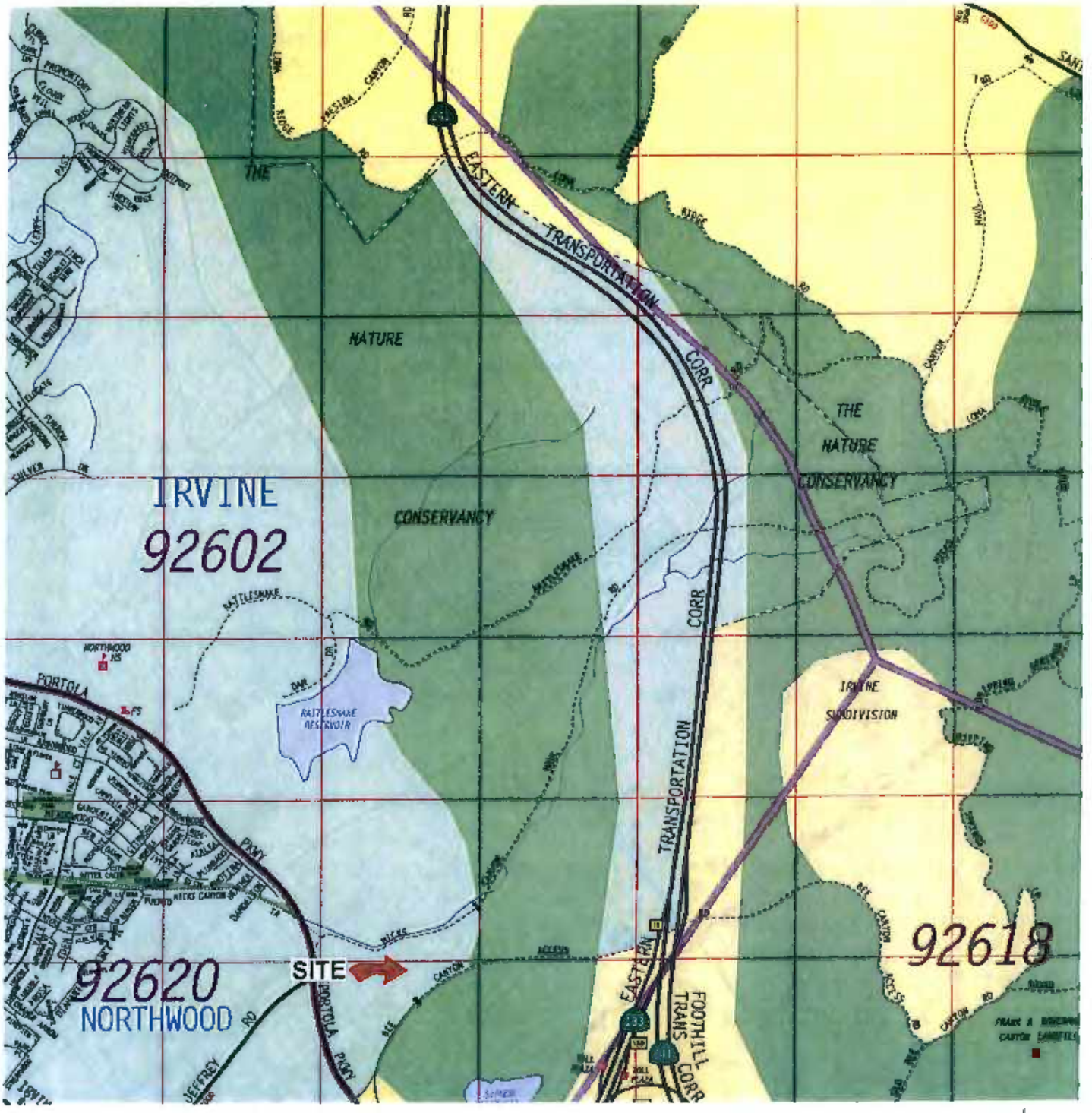


• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

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Attachment A

FIGURES



ADVANCED ENVIRONMENTAL CONCEPTS

ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

-SITE LOCATION MAP-

Irvine Community Development Company
El Modeno Gardens
11911 Jeffrey Road
County of Orange • Irvine, California

FIGURE

1



ADVANCED ENVIRONMENTAL CONCEPTS

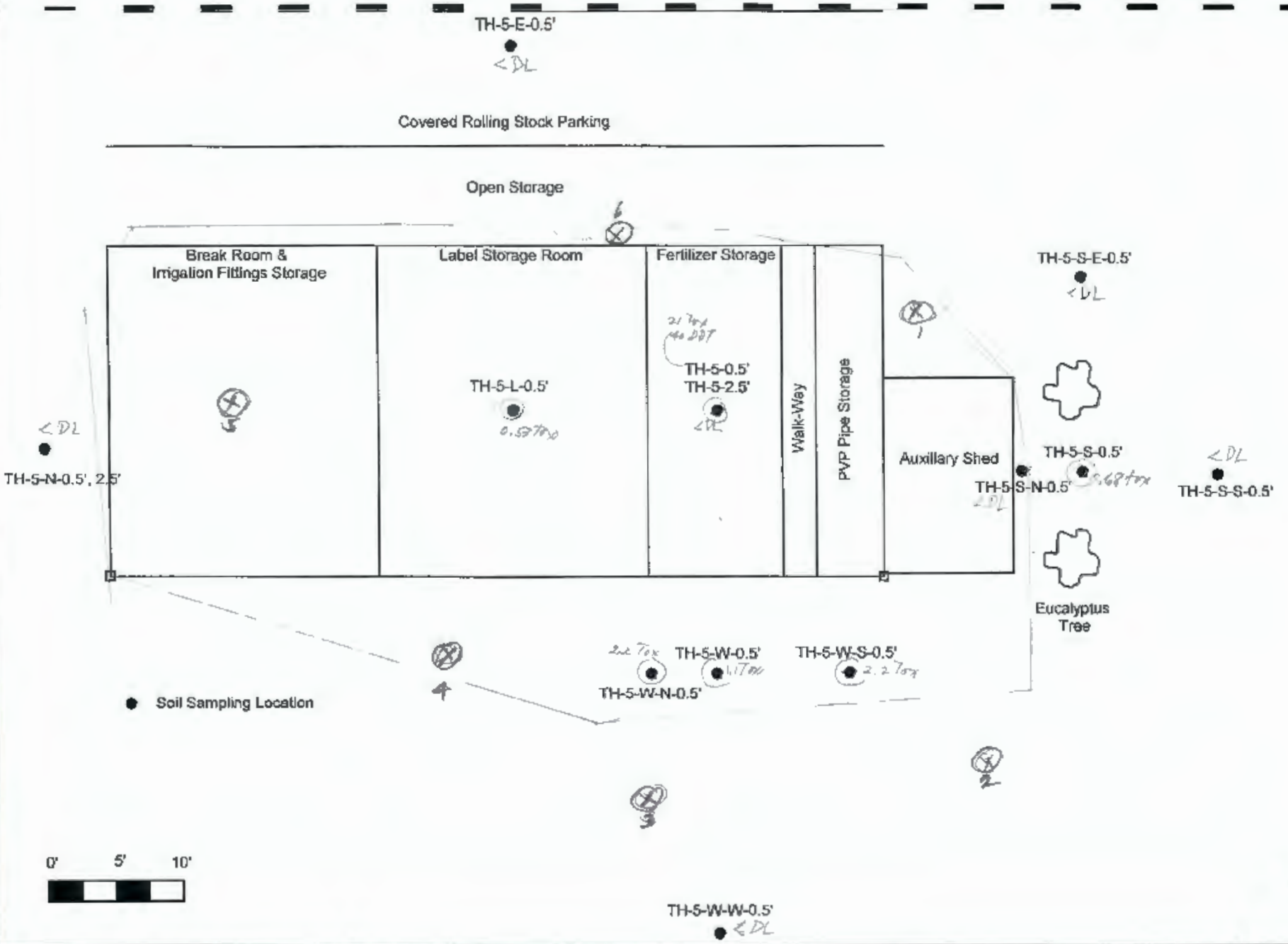
ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue
Bakersfield, CA 93305

- SAMPLING LOCATIONS-

Irvine Community Development Company
El Modeno Gardens
11911 Jeffrey Road
County of Orange • Irvine, California

FIGURE

2



ADVANCED ENVIRONMENTAL CONCEPTS INC

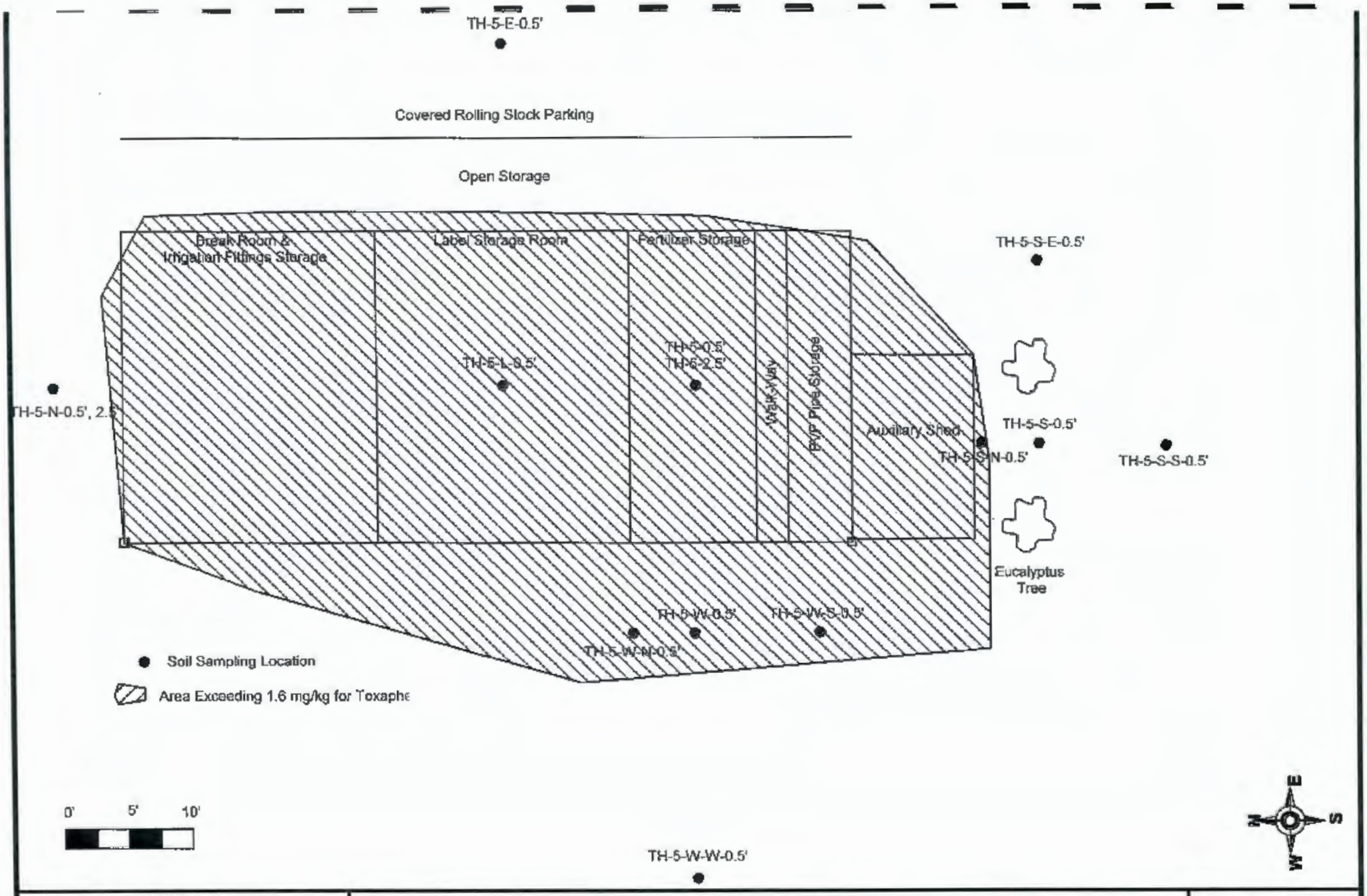
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Old Wooden Shed

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

3



ADVANCED ENVIRONMENTAL CONCEPTS INC

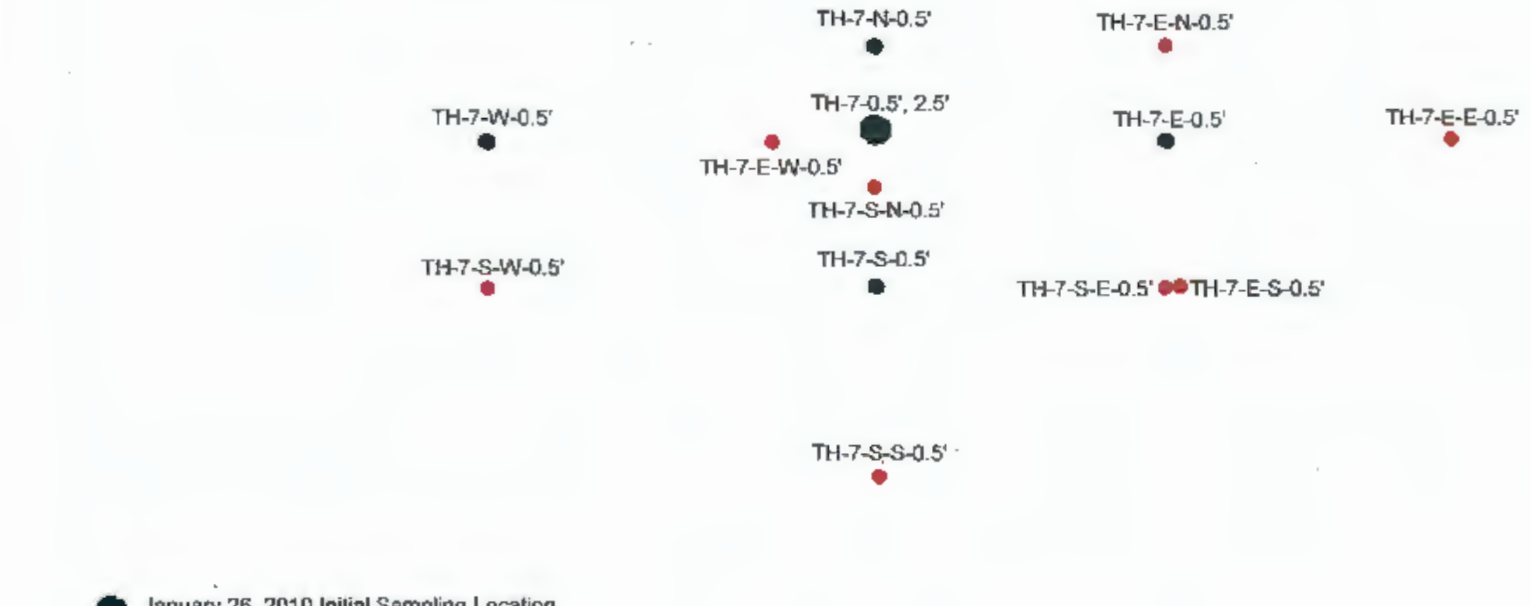
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Old Wooden Shed

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

4



ADVANCED ENVIRONMENTAL CONCEPTS INC

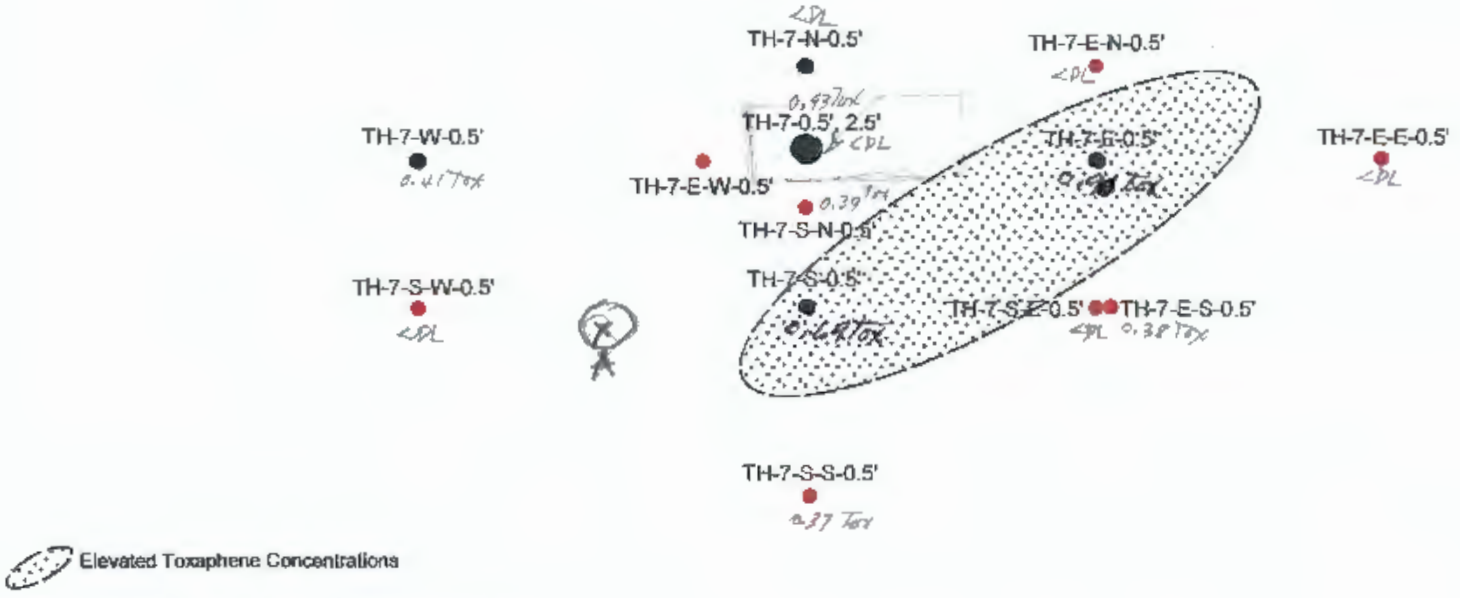
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Row 976

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

5



ADVANCED ENVIRONMENTAL CONCEPTS INC

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Row 976

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

6

Attachment B

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTS

JANUARY 26, 2010

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 248659
REPORTED 02/05/2010
RECEIVED 01/26/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

FEB 10 2010

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1053111	TH-G-1-10'
1053112	TH-G-1-15'
1053113	TH-G-1-20'
1053114	TH-D-2-10'
1053115	TH-D-2-15'
1053116	TH-D-2-20'
1053117	TH-3-0.5'
1053118	TH-3-2.5'
1053119	TH-4-0.5'
1053120	TH-4-2.5'
1053121	TH-5-0.5'
1053122	TH-5-2.5'
1053123	TH-6-0.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 248659
REPORTED 02/05/2010
RECEIVED 01/26/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1053124	TH-6-2.5'
1053125	TH-7-0.5'
1053126	TH-7-2.5'
1053127	TH-8-0.5'
1053128	TH-8-2.5'
1053129	TH-9-0.5'
1053130	TH-9-2.5'
1053131	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward A. Behrec, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1053111 **Client Sample ID** TH-G-1-10'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	3	0.018	mg/Kg	01/27/10 NZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	p-Bromofluorobenzene (Sur)	86				%	60 - 140
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/28/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/28/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/28/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	99				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 135
8260B	Surr3 - Toluene-d8	99				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	93				%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053112 **Client Sample ID** TH-G-1-15'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	3	0.018	mg/Kg	01/27/10 NZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	p-Bromofluorobenzene (Sur)	92				%	60 - 140
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/28/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/28/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/28/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98				%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053113 **Client Sample ID** TH-G-1-20'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	3	0.018	mg/Kg	01/27/10 NZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	p-Bromofluorobenzene (Sur)	99				%	60 - 140
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/28/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/28/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/28/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	101				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 135
8260B	Surr3 - Toluene-d8	98				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S – Surrogate outside control limits

Order #: 1053114 **Client Sample ID** TH-D-2-10'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/29/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/29/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/29/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	99				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	99				%	70 - 135
8260B	Surr3 - Toluene-d8	105				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	01/29/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	71				%	60 - 140

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053115 **Client Sample ID** TH-D-2-15'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/29/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/29/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/29/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	100				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	96				%	70 - 135
8260B	Surr3 - Toluene-d8	102				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	01/29/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	80				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053116 **Client Sample ID** TH-D-2-20'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/29/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/29/10 LZ
8260B	*Methyl-tert-butylether* (MTBE)	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/29/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/29/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	104				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	01/29/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	86				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053117 **Client Sample ID** TH-3-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.72	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	5.80	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	0.009	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.083	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	0.040	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	0.019 J	1	0.025	0.0005	mg/Kg	02/05/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	69	%	55 - 135
8081A	TCMX (Sur1)	77	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053118 **Client Sample ID** TH-3-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.19	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	0.047	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	95	%	55 - 135
8081A	TCMX (Sur1)	108	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053119 **Client Sample ID** TH-4-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.42	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	9.33	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	0.040	1	0.005	0.0008	mg/Kg	02/03/10 GH
8081A	4,4-DDE	0.90	10	0.04	0.007	mg/Kg	02/05/10 GH
8081A	4,4-DDT	0.012	1	0.005	0.0007	mg/Kg	02/03/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/03/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/03/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/03/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/03/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/03/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/03/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/03/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/03/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/03/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/03/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/03/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/03/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/03/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/03/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/03/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/03/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/03/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	73	%	55 - 135
8081A	TCMX (Sur1)	97	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053120 **Client Sample ID** TH-4-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.0012 J	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	86	%	55 - 135
8081A	TCMX (Sur1)	97	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053121 **Client Sample ID** TH-5-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	7.14	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	108	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/03/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/03/10 GH
8081A	4,4-DDT	40	40	0.2	0.028	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/03/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/03/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/03/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/03/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/03/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/03/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/03/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/03/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/03/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/03/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/03/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/03/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/03/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/03/10 GH
8081A	Lindane	0.0097	1	0.003	0.0004	mg/Kg	02/03/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/03/10 GH
8081A	Toxaphene	21	40	10.0	3.04	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	75	%	55 - 135
8081A	TCMX (Sur1)	93	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053122 **Client Sample ID** TH-5-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Lead	4.38	1	0.5	0.32	mg/Kg	02/02/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	0.013	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	127	%	55 - 135
8081A	TCMX (Sur1)	107	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053123 **Client Sample ID** TH-6-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.94	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	16.1	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.11	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	0.15	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	1.2	3	0.0625	0.00125	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	89	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053124 **Client Sample ID** TH-6-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	87	%	55 - 135
8081A	TCMX (Sur1)	100	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053125 **Client Sample ID** TH-7-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.44	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	8.23	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.24	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	0.40	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	0.93	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	92	%	55 - 135
8081A	TCMX (Sur1)	100	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053126 **Client Sample ID** TH-7-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	80	%	55 - 135
8081A	TCMX (Sur1)	93	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053127 **Client Sample ID** TH-8-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	4.51	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	3.76	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	mg/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	82	%	55 - 135
8081A	TCMX (Sur1)	103	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053128 **Client Sample ID** TH-8-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	92	%	55 - 135
8081A	TCMX (Sur1)	99	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053129 **Client Sample ID** TH-9-0.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	3.25	1	1.0	0.36	mg/Kg	01/28/10 KN
6010B	Lead	66.5	1	0.5	0.32	mg/Kg	01/28/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	0.0015 J	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	87	%	55 - 135
8081A	TCMX (Sur1)	101	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053130 **Client Sample ID** TH-9-2.5'

Matrix: SOLID

Date Sampled: 01/26/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Lead	4.18	1	0.5	0.32	mg/Kg	02/02/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	78	%	55 - 135
8081A	TCMX (Sur1)	82	%	50 - 125

EQL = Estimated Quantitation Limit, MDL – Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053131 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Arsenic	ND	1	1.00	0.36	mg/Kg	01/28/10 KN
6010B	Lead	ND	1	0.50	0.32	mg/Kg	01/28/10 KN
TPH-DHS	Gasoline	ND	1	3	0.018	mg/Kg	01/27/10 NZ
Surrogates						**Units**	**Control Limits**
TPH-DHS	p-Bromofluorobenzene (Sur)	92				%	60 - 140
8260B	Benzene	ND	1	5	0.18	ug/Kg	01/28/10 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	01/28/10 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	01/28/10 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	01/28/10 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	101				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 135
8260B	Surr3 - Toluene-d8	101				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/02/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/02/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/02/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/02/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/02/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/02/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/02/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/02/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/02/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/02/10 GH
8081A	Endrin Ketone	ND	1	5.0	2.0	ug/Kg	02/02/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/02/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/02/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/02/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/02/10 GH

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1053131 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/02/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	77				%	55 - 135
8081A	TCMX (Sur1)	90				%	50 - 125
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	01/28/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	76				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF – Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

CHAIN-OF-CUSTODY RECORD

248659

Client: AEC	Date: 1/26/10		LAB Project #
Project Name: EL Modeno Gardens	Client Project #		Page 1 of 2
Project Address: Jeffrey Road North Portola Parkway, Irvine, CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☑ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled Yes / No Sealed Yes / No
Sampler's Signature:			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: TPH-g / BTXE / MTBE	TPH-d / BTXE / MTBE	Chlorinated Pesticides	Arsenic	Lead			Number of Containers	Container / Comments
TH-G-1-10'	By gas dispenser (former)	1/26/10				✓							1	
TH-G-1-15'	"	"				✓							1	
TH-G-1-20'	"	"				✓							1	
TH-D-2-10'	By diesel dispenser (former)	"					✓						1	
TH-D-2-15'		"					✓						1	
TH-D-2-20'		1/26/10					✓						1	
TH-3-0.5'	west side of collection reservoir	"						✓	✓	✓			1	
TH-3-2.5'	"	"						✓					1	
TH-4-0.5'	Southeast of water supply for mixing (≈3')	"						✓	✓	✓			1	
TH-4-2.5'		1/26/10						✓					1	

❶ Relinquished by: (Signature)	Date 1/26/10	❷ Received by: (Signature)	Date 1/26/10	10	Total Number of Containers
Company: AEC	Time 1520	Company: Assoc Labs	Time 1520		
❸ Relinquished by: (Signature)	Date 1/26/10	❹ Received by Laboratory: (Signature) Juan Montoya	Date 1-26-10		
Company: Assoc Labs	Time 1625	Company: ASL	Time 16:30		

ADVANCED ENVIRONMENTAL CONCEPTS INC
661/395-1646
FAX 661/395-1616
220 E. TRUXTUN AVENUE
BAKERSFIELD, CA 93305
E-mail: aecinc@sbcglobal.net

CHAIN-OF-CUSTODY RECORD

248659

Client: AEC	Date: 1/26/10		LAB Project #
Project Name: El Modeno Gardens	Client Project #		Page 2 of 2
Project Address: Jeffrey Road North of Portola Parkway, Irvine, CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☑ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled (Yes) / No; Sealed (Yes) / No
Sampler's Signature: Jan Bond			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: Chlorinated Pesticides (EPA 8081A)	Arsenic	Lead	Number of Containers	Container / Comments
TH-5-0.5'	inside old wood fertilizer shed	1/26/10			S	✓	✓	✓	1	
TH-5-2.5'	" "	"			S	✓			1	
TH-6-0.5'	Between two corrugated metal sheds (Western Farm Service)	"			S	✓	✓	✓	1	
TH-6-2.5'	" "	"			S	✓			1	
TH-7-0.5'	South of eucalyptus windbreak at row 976	1/26/10			S	✓	✓	✓	1	
TH-7-2.5'	" "	"			S	✓			1	
TH-8-0.5'	≈ 100' east of northern potting area	"			S	✓	✓	✓	1	
TH-8-2.5'	" "	"			S	✓			1	
TH-9-0.5'	Along north border	"			S	✓	✓	✓	1	
TH-9-2.5'	" "	1/26/10			S	✓			1	

❶ Relinquished by: (Signature) Jan Bond	Date 1/26/10	❷ Received by: (Signature) Angel Martin	Date 1/26/10	10 Total Number of Containers
Company: AEC	Time 1520	Company: Angel Labs	Time 1520	
❸ Relinquished by: (Signature) Angel Martin	Date 1/26/10	❹ Received by Laboratory: (Signature)	Date 1-26-10	
Company: Mark Montiel	Time 1625	Company: ASL	Time 16:30	

ADVANCED ENVIRONMENTAL CONCEPTS INC
661/395-1646 FAX 661/395-1616
220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305
E-mail: aecinc@sbcglobal.net

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 1-26-10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:

Project: El Modeno Gardens
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 1.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓	✓	
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓	✓	
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 1-26-10

FEBRUARY 9, 2010

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 249501
REPORTED 02/18/2010
RECEIVED 02/09/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1056564	TH-7-N-0.5'
1056565	TH-7-S-0.5'
1056566	TH-7-E-0.5'
1056567	TH-7-W-0.5'
1056568	TH-5-N-0.5'
1056569	TH-5.S-0.5'
1056570	TH-5-E-0.5'
1056571	TH-5-W-0.5'
1056572	TH-5-L-0.5'
1056576	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1056564 **Client Sample ID** TH-7-N-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.013	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.028	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	0.069	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	0.027	1	0.025	0.0005	mg/Kg	02/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.20 J	1	0.250	0.076	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	110	%	55 - 135
8081A	TCMX (Sur1)	113	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056565 **Client Sample ID** TH-7-S-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.014	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.21	3	0.012	0.0021	mg/Kg	02/17/10 GH
8081A	4,4-DDT	0.17	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.69	1	0.250	0.076	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	106	%	55 - 135
8081A	TCMX (Sur1)	97	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056566 **Client Sample ID** TH-7-E-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.44	10	0.04	0.007	mg/Kg	02/16/10 GH
8081A	4,4-DDT	0.19	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.90	2	0.5	0.152	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	125	%	55 - 135
8081A	TCMX (Sur1)	104	%	50 - 125

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
D = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056567 **Client Sample ID** TH-7-W-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.15	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	0.089	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.41	1	0.250	0.076	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	93	%	55 - 135
8081A	TCMX (Sur1)	89	%	50 - 125

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
D = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056568 **Client Sample ID** TH-5-N-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.0009 J	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.021	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	0.056	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	0.0045	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	99	%	55 - 135
8081A	TCMX (Sur1)	92	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056569 **Client Sample ID** TH-5.S-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.017	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.26	3	0.012	0.0021	mg/Kg	02/16/10 GH
8081A	4,4-DDT	0.53	3	0.015	0.0021	mg/Kg	02/16/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	0.005	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.68	1	0.250	0.076	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	95	%	55 - 135
8081A	TCMX (Sur1)	96	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056570 **Client Sample ID** TH-5-E-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.11	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	0.12	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	96	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
D = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056571 **Client Sample ID** TH-5-W-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.069	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.45	5	0.02	0.0035	mg/Kg	02/16/10 GH
8081A	4,4-DDT	0.29	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	0.069	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	1.1	2	0.5	0.152	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	106	%	55 - 135
8081A	TCMX (Sur1)	94	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056572 **Client Sample ID** TH-5-L-0.5'

Matrix: SOLID

Date Sampled: 02/09/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.021	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	0.021	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	0.30	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	0.53	1	0.250	0.076	mg/Kg	02/16/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	103	%	55 - 135
8081A	TCMX (Sur1)	99	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1056576 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	102	%	55 - 135
8081A	TCMX (Sur1)	94	%	50 - 125

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ID = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 249501-1056564

Matrix: SOLID

Analysis Date: 2/12/2010

Batch Date: 2/11/10 (pest-021110s)

Applies to: LR 249501

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.104	0.100	104	100	4	35	50-135
Heptachlor	ND	0.100	0.112	0.106	112	106	5	35	50-135
Aldrin	ND	0.100	0.100	0.096	100	96	4	35	50-135
Dieldrin	ND	0.100	0.121	0.112	121	112	7	35	50-135
Endrin	ND	0.100	0.119	0.115	119	115	4	35	50-135
DDT	0.089	0.100	0.215	0.181	127	92	17	35	50-135

**** Outside Control Limits due to matrix interference***

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.097	97	55-130
Heptachlor	0.100	0.101	101	55-130
Aldrin	0.100	0.092	92	55-130
Dieldrin	0.100	0.102	102	55-130
Endrin	0.100	0.106	106	55-130
DDT	0.100	0.094	94	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

CHAIN-OF-CUSTODY RECORD 249501

Client: AEC	Date: 2/9/10		LAB Project #
Project Name: EL Modena Gardens	Client Project #		Page 1 of 1
Project Address: ~~1911~~ 11911 Jeffrey Road, Irvine CA	Turn Around Requested: ☐ 24-Hour-Rush ☐ 48-Hour-Rush ☒ Normal ☐ Mobile Lab		Lab Use Only: Sample Condition as received: Chilled (Yes) No; Sealed (Yes) No
Sampler's Signature: Jon Bird			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: 8081A (Chlorinated Pesticides)	Number of Containers	Container / Comments
TH-7-N-0.5'	5' N of TH-7	2/9/10			S	✓	1	
TH-7-S-0.5'	10' S of TH-7	"			S	✓	1	
TH-7-E-0.5'	15' E of TH-7	"			S	✓	1	
TH-7-W-0.5'	20' W of TH-7	"			S	✓	1	
TH-5-N-0.5'	5' N of North wall/center	2/9/10			S	✓	1	
TH-5-S-0.5'	10' S of small shed	"			S	✓	1	
TH-5-E-0.5'	15' E of east wall/center	"			S	✓	1	
TH-5-W-0.5'	20' W of TH-5	"			S	✓	1	
TH-5-L-0.5'	Center of label storage area	2/9/10			S	✓	1	

❶ Relinquished by: (Signature) Jon Bird	Date 2/9/10	❷ Received by: (Signature) [illegible]	Date 2/9/10	9	Total Number of Containers
Company: AEC	Time 1415	Company: Assoc Labs	Time 1415		
❸ Relinquished by: (Signature) [illegible]	Date 2/9/10	❹ Received by Laboratory: (Signature) M. Schell	Date 02/9/10		
Company: Assoc Labs	Time 1455	Company:	Time 1525		

AEC ADVANCED ENVIRONMENTAL CONCEPTS INC
661/395-1646 FAX 661/395-1616
220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305
E-mail: aecinc@sbcglobal.net

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 02.09.10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other
Cooler or box temperature: 5.0c
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?			X
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / (N) N/A

Completed By: M. Gilbert Date: 02-09-10

FEBRUARY 19, 2010

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 250159
REPORTED 02/25/2010
RECEIVED 02/19/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1059362	TH-7-E-N-0.5'
1059363	TH-7-E-S-0.5
1059364	TH-7-E-E-0.5'
1059365	TH-7-E-W-0.5'
1059366	TH-7-S-N-0.5'
1059367	TH-7-S-S-0.5
1059368	TH-7-S-E-0.5'
1059369	TH-7-S-W-0.5'
1059370	TH-5-W-N-0.5'
1059371	TH-5-W-S-0.5'
1059372	TH-5-W-W-0.5'
1059373	TH-5-S-N-0.5'
1059374	TH-5-S-S-0.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 250159
REPORTED 02/25/2010
RECEIVED 02/19/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1059375	TH-5-S-E-0.5'
1059376	TH-5-S-W-0.5'
1059377	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1059362 **Client Sample ID** TH-7-E-N-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates					Units	Control Limits
8081A	DCB(Sur2)	85			%	55 - 135
8081A	TCMX (Sur1)	74			%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059363 **Client Sample ID** TH-7-E-S-0.5

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.094	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	0.059	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	0.38	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	72	%	55 - 135
8081A	TCMX (Sur1)	73	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059364 **Client Sample ID** TH-7-E-E-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	74	%	55 - 135
8081A	TCMX (Sur1)	77	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059365 **Client Sample ID** TH-7-E-W-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	76	%	55 - 135
8081A	TCMX (Sur1)	68	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059366 **Client Sample ID** TH-7-S-N-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.055	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	0.0062	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	0.0027 J	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	0.39	1	0.250	0.076	mg/Kg	02/22/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	85	%	55 - 135
8081A	TCMX (Sur1)	69	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059367 **Client Sample ID** TH-7-S-S-0.5

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.023	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	0.37	1	0.250	0.076	mg/Kg	02/22/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	83	%	55 - 135
8081A	TCMX (Sur1)	73	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059368 **Client Sample ID** TH-7-S-E-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	83	%	55 - 135
8081A	TCMX (Sur1)	79	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059369 **Client Sample ID** TH-7-S-W-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.0022 J	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	0.0022 J	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	81	%	55 - 135
8081A	TCMX (Sur1)	74	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059370 **Client Sample ID** TH-5-W-N-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.059	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.56	7	0.028	0.0049	mg/Kg	02/22/10 GH
8081A	4,4-DDT	0.50	7	0.035	0.0049	mg/Kg	02/22/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	2.2	7	1.75	0.532	mg/Kg	02/22/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	90	%	55 - 135
8081A	TCMX (Sur1)	77	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059371 **Client Sample ID** TH-5-W-S-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.035	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.62	7	0.028	0.0049	mg/Kg	02/22/10 GH
8081A	4,4-DDT	0.50	7	0.035	0.0049	mg/Kg	02/22/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	2.2	7	1.75	0.532	mg/Kg	02/22/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	81	%	55 - 135
8081A	TCMX (Sur1)	74	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059372 **Client Sample ID** TH-5-W-W-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	104	%	55 - 135
8081A	TCMX (Sur1)	97	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059373 **Client Sample ID** TH-5-S-N-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.0036 J	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	99	%	55 - 135
8081A	TCMX (Sur1)	83	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059374 **Client Sample ID** TH-5-S-S-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	82	%	55 - 135
8081A	TCMX (Sur1)	68	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059375 **Client Sample ID** TH-5-S-E-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.035	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	0.018	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	0.016	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	84	%	55 - 135
8081A	TCMX (Sur1)	72	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059376 **Client Sample ID** TH-5-S-W-0.5'

Matrix: SOLID

Date Sampled: 02/19/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	0.0026 J	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	0.0050	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	75	%	55 - 135
8081A	TCMX (Sur1)	70	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1059377 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	02/21/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	02/21/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	02/21/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	02/21/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	02/21/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	02/21/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	02/21/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	02/21/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	02/21/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	02/21/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	02/21/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	02/21/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	02/21/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	02/21/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	02/21/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	02/21/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	90	%	55 - 135
8081A	TCMX (Sur1)	77	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 250159-1059362

Matrix: SOLID

Analysis Date: 2/21/2010

Batch Date: 2/19/10 (pest-021910s)

Applies to: LR 250159

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.082	0.079	82	79	4	35	50-135
Heptachlor	ND	0.100	0.091	0.085	91	85	6	35	50-135
Aldrin	ND	0.100	0.079	0.075	79	75	5	35	50-135
Dieldrin	ND	0.100	0.089	0.084	89	84	6	35	50-135
Endrin	ND	0.100	0.089	0.083	89	83	7	35	50-135
DDT	ND	0.100	0.080	0.074	80	74	8	35	50-135

** Outside Control Limits due to matrix interference*

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD – Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.078	78	55-130
Heptachlor	0.100	0.086	86	55-130
Aldrin	0.100	0.074	74	55-130
Dieldrin	0.100	0.083	83	55-130
Endrin	0.100	0.082	82	55-130
DDT	0.100	0.072	72	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company: AEC | Phone: 661 395-1660
Project Manager: Jon Buck | Fax: 661 395-1666
Project Name: El Modena Gardens | Project #:
Site Name and Address: 11911 Jeffrey Road, Irvine, CA

A.L. Job No. 250159 | Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: 8081A (Pesticides)	Test Instructions & Comments
1	TH-7-E-N-0.5'		2/19/10		Soil			✓	
2	TH-7-E-S-0.5'							✓	
3	TH-7-E-E-0.5'							✓	
4	TH-7-E-W-0.5'							✓	
5	TH-7-S-N-0.5'							✓	
6	TH-7-S-S-0.5'							✓	
7	TH-7-S-E-0.5'							✓	
8	TH-7-S-W-0.5'							✓	
9	TH-5-W-N-0.5'							✓	
10	TH-5-W-S-0.5'							✓	
11	TH-5-W-W-0.5'							✓	
12	TH-5-S-N-0.5'							✓	
13	TH-5-S-S-0.5'							✓	
14	TH-5-S-E-0.5'							✓	
15	TH-5-S-W-0.5'		2/19/10		Soil			✓	

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	15	Properly Cooled	(Y) / N / NA
Custody Seals	(Y) / N / NA	Samples Intact	(Y) / N / NA
Received in Good Condition	(Y) / N	Samples Accepted	(Y) / N

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:		Relinquished by	Relinquished by
Signature:	Jon Buck	Signature:	Signature:
Printed Name:	Jon Buck	Printed Name:	Printed Name:
Date: 2/19/10 Time:		Date: Time:	Date: Time:
Received By:	ASC	Received By:	Received By:
Signature:		Signature:	Signature:
Printed Name:	Juan Martorys	Printed Name:	Printed Name:
Date: 2-19-10 Time:	13:10	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 02-19-10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other
Cooler or box temperature: 5.0c

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?			X
Were the containers labeled with correct preservatives?			X
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / (N) N/A

Completed By: M. Ebert Date: 02-19-10

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

25 4862

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: La 254862

DATE RECEIVED: 5-14-10

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: yes COUNTY SEAL(S) INTACT: yes

CONTAINER IN GOOD CONDITION: yes

DATE ANALYSIS COMPLETED: 5-24-10

ANALYST: GL

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: El Modeno Gardens
11911 Jeffrey Rd., Irvine

DATE OF COLLECTION: 5/14/2010

SAMPLE COLLECTOR/COMPANY: AEC
Jon Burk

TELEPHONE NO.:

HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
PH5-Con-3'	EPA Method		10:50
TH5-EW-CON-1.5'	8081 - all		10:54
TH5-W-CON-1.5'	samples		10:56
TH5-S-CON-1.5'			10:58
TH5-N-CON-1.5'			11:00
976-CON-1.5'			11:09

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PH5/HCA-EH	5/14/210 . 10:30
2.		AEC	5/14/2010
3.		Associated Lab.	5-14-10 . 12:42
4.			-
5.			-
6.			-

#2

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R8/89)

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: [illegible]
11911 Jeffrey Rd., Irvine

DATE OF COLLECTION: 5/6/2020

SAMPLE COLLECTOR/COMPANY: [illegible]
Jo Park

TELEPHONE NO.: _____

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
MW-5-GW-5'	VOC 8260B		10:52
TMW-1-GW-15'	8260B - VOC		[illegible]
TMW-6-GW-15'	8260B		10:41
TMW-5-GW-20'			10:15
TMW-4-GW-15'			11:0[illegible]
TMW-2-GW-15'			11:09

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	[illegible]	[illegible]
2.	[illegible]	AEC	[illegible]
3.			
4.			
5.			
6.			

#2

F272-9.1531.1(R8/89)

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 254862
REPORTED 05/21/2010
RECEIVED 05/14/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1080063	TH5-Con-3'
1080064	TH5-EW-Con-1.5'
1080065	TH5-W-Con-1.5'
1080066	TH5-S-Con-1.5'
1080067	TH5-L-Con-1.5'
1080068	976-Con-1.5
1080069	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward A. Bellate, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1080063 **Client Sample ID** TH5-Con-3'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	0.004 J	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	98	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080064 **Client Sample ID** TH5-EW-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:54

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	104	%	55 - 135
8081A	TCMX (Sur1)	86	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080065 **Client Sample ID** TH5-W-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:56

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	130	%	55 - 135
8081A	TCMX (Sur1)	95	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080066 **Client Sample ID** TH5-S-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	125	%	55 - 135
8081A	TCMX (Sur1)	90	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1080067 **Client Sample ID** TH5-L-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	0.005	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	0.007	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	0.003	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	134	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080068 **Client Sample ID** 976-Con-1.5

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 11:09

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	121	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080069 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	100	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 254862-1080063

Matrix: SOLID

Analysis Date: 5/17/2010

Batch Date: 5/17/2010 (pest-051710s)

Applies to: LR 254862, LR 254861, LR 254910, LR 254915, LR 254918 & LR 254929

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.097	0.105	97	105	8	35	50-135
Heptachlor	ND	0.100	0.102	0.111	102	111	9	35	50-135
Aldrin	ND	0.100	0.090	0.097	90	97	8	35	50-135
Dieldrin	ND	0.100	0.095	0.105	95	105	10	35	50-135
Endrin	ND	0.100	0.095	0.103	95	103	8	35	50-135
DDT	0.0038	0.100	0.090	0.096	86	93	7	35	50-135

**** Outside Control Limits due to matrix interference***

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.102	102	55-130
Heptachlor	0.100	0.106	106	55-130
Aldrin	0.100	0.095	95	55-130
Dieldrin	0.100	0.100	100	55-130
Endrin	0.100	0.097	97	55-130
DDT	0.100	0.088	88	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Project: El Modeno Gardens
Date Received: 5-14-10
Sample(s) received in cooler: Yes
Sampler's Name: Yes No
No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other ___
Cooler or box temperature: 3.0°

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?	✓		
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?		✓	
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 5-14-10

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

255606

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: 255606
DATE RECEIVED: 5/27/2010
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: YES
CONTAINER IN GOOD CONDITION: YES
DATE ANALYSIS COMPLETED: 6-1-10
ANALYST: GH

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: 3' Medians Gardens Jeffrey Rd, Irvine
DATE OF COLLECTION: 5/27/2010
SAMPLE COLLECTOR/COMPANY: AEC Jon Buck
TELEPHONE NO.:
HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-S-CON-1'	0.5' EPA Method 8081- for all	Additional samples	7:41 AM
TH-5-W-S-CON	-2-1.5' samples		7:44
TH-5-W-N-CON	-3-0.5'		7:46
TH-5-N-N-CON	-4-0.5'	RECEIVED HCA	7:[illegible]
TH-5-N-CON	-5-0.5'	JUN 10 2010	7:48
TH-5-L-CON	-6-0.5'		7:50
TH-7-CON-1'		ENVIRONMENTAL HLTH	8:00
TH-7-A-CON	-0.5'		8:10

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	PDC/HCA-EH	5/27/10 7:25 -
2.	Jon Buck	AEC	5/27/10 -
3.	[signature]	ASSOC-LAB	5-27-10 - 2:45
4.	[signature]	Associated Laboratories	5-27-10 - 17:30
5.		ENVIRONMENTAL HLTH	-
6.			-

#2

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9 (531.1)(R8/89) (RS)

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: [illegible]

DATE OF COLLECTION: 5/27/11

SAMPLE COLLECTOR/COMPANY: ATC

TELEPHONE NO.: _____

HCA REPRESENTATIVE: [illegible]

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-[illegible]-CON-1'	[illegible]	[illegible]	7:[illegible]
TH-5-[illegible]-CON-1-1.5'	[illegible]		7:44
TH-5-[illegible]-CON-2-2.5'			7:46
TH-5-[illegible]-CON-4-4.5'			7:[illegible]
TH-5-[illegible]-CON-5-5.5'			7:48
TH-5-[illegible]-CON-6-6.5'			7:50
TH-7-CON-1'			8:15
TH-7-A-CON-0.5'			8:10

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	[illegible]	[illegible]
2.	[illegible]	ATC	5/27/11 -
3.			-
4.			-
5.			-
6.			-

#2

F272-0.1531.1(R8/89)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 255606
REPORTED 06/03/2010
RECEIVED 05/27/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1083480	TH-5-S-CON-1-0.5'
1083481	TH-5-W-S-CON-2-0.5'
1083482	TH-5-W-N-CON-3-0.5'
1083483	TH-5-W-N-CON-4-0.5'
1083484	TH-5-N-CON-5-0.5'
1083485	TH-5-L-CON-6-0.5'
1083486	TH-7-CON-1'
1083487	TH-7-A-CON-0.5'
1083488	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by:

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1083480 **Client Sample ID** TH-5-S-CON-1-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:41

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.004 J	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	81	%	55 - 135
8081A	TCMX (Sur1)	55	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083481 **Client Sample ID** TH-5-W-S-CON-2-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:44

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	82	%	55 - 135
8081A	TCMX (Sur1)	67	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND - Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083482 **Client Sample ID** TH-5-W-N-CON-3-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:46

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	92	%	55 - 135
8081A	TCMX (Sur1)	60	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083483 **Client Sample ID** TH-5-W-N-CON-4-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:54

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	85	%	55 - 135
8081A	TCMX (Sur1)	68	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083484 **Client Sample ID** TH-5-N-CON-5-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:48

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.007	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.050	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	0.002 J	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	99	%	55 - 135
8081A	TCMX (Sur1)	83	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083485 **Client Sample ID** TH-5-L-CON-6-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.009	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.006	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	86	%	55 - 135
8081A	TCMX (Sur1)	58	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1083486 **Client Sample ID** TH-7-CON-1'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.002 J	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	86	%	55 - 135
8081A	TCMX (Sur1)	65	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083487 **Client Sample ID** TH-7-A-CON-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 08:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.053	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.030	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	0.002 J	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	0.26	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	87	%	55 - 135
8081A	TCMX (Sur1)	78	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083488 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	119	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 255598-1083395

Matrix: SOLID

Analysis Date: 6/2/2010

Batch Date: 5/29/2010 (pest-052910s)

Applies to: LR 255598 & LR 255606

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.091	0.093	91	93	2	35	50-135
Heptachlor	ND	0.100	0.097	0.097	97	97	0	35	50-135
Aldrin	ND	0.100	0.084	0.084	84	84	0	35	50-135
Dieldrin	ND	0.100	0.098	0.098	98	98	0	35	50-135
Endrin	ND	0.100	0.096	0.093	96	93	3	35	50-135
DDT	ND	0.100	0.093	0.092	93	92	1	35	50-135

**** Outside Control Limits due to matrix interference***

ND - Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD - Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.100	100	55-130
Heptachlor	0.100	0.105	105	55-130
Aldrin	0.100	0.091	91	55-130
Dieldrin	0.100	0.107	107	55-130
Endrin	0.100	0.103	103	55-130
DDT	0.100	0.102	102	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 5-27-10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?	✓		
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 5-27-10

ADVANCED ENVIRONMENTAL CONCEPTS INC

June 7, 2010

Mr. Peter Changala
The Irvine Community – Agricultural Division
550 Newport Center Drive
Newport Beach, California 92660

RE: Soil Sampling and Soil Disposal at El Modeno Gardens
11911 Jeffrey Road
Irvine, California

Dear Mr. Changala;

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following summary letter regarding additional soil sampling and soil disposal at the El Modeno Gardens. This property is north of Portola Parkway and east of Jeffrey Road (Figure 1). The southern half of the El Modeno Gardens property has been used for cultivation of nursery annuals and perennials (generally 1-gallon size) since 1967 and the northern half of the property was converted from permanent plantings of citrus to nursery production during the 1990s. The central and southern thirds of the property are improved with greenhouses and protective netting; the northern third is open air and covered production.

Initial Sample Collection

On January 26, 2010 an AEC geologist collected surface (0.5' bgs) and subsurface (2.5', 10', 15', and 20' bgs) soil samples from nine biased and unbiased locations throughout the property. Biased locations consisted of the former gasoline tank emplacement (TH-G-1); former diesel tank emplacement (TH-D-2); the surface water collection area at the southeast corner of the property (TH-3); the water supply adjacent to the agricultural chemical storage container (TH-4); the interior of the wood-constructed fertilizer storage shed (TH-5); and the northern boundary of the site (TH-9) which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. The unbiased locations consisted of general areas within the nursery and were identified as TH-6, TH-7, and TH-8.

The soil sampling was conducted using a Geoprobe drilling rig or a hand auger. The hand auger was used due to access limitations, or when it was thought a subsurface irrigation line was proximal to the sampling location.

The initial sampling occurred in the area of the former 1,000-gallon gasoline UST and 6,000-gallon diesel UST. These tanks were removed in September 1998, by AEC, and the sampling beneath the USTs generally indicated non-detectable concentrations for the requested analyte. However, The Irvine Company requested that additional soil sampling be conducted to confirm the prior results. Since the former tank bottoms approximated 10-feet bgs, AEC commenced sample collection at that depth and continued to 20-feet bgs. The soil samples were collected in

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3-foot long "macro" acetate sleeves. The soil sample from the required depth was obtained from the sleeve, capped, taped, and labeled with sample identification and depth of collection. The sample sleeves were recorded on a chain-of-custody, placed in an ice chest, and delivered to Associated Laboratories for analysis TPH-gasoline and diesel, volatile organic compounds (VOCs), and MTBE. The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides by EPA Method 8081A, arsenic, and lead.

Initial Analytical Results

The results for the chlorinated pesticide concentrations have been recorded in the following table:

Table 1
TPH-gas and diesel
El Modeno Gardens
January 26, 2010

Sample ID.	Date	Analytes	Result
TH-G-1-10'	1/26/2010	TPH-gas	ND<3 mg/kg
	1/26/2010	TPH-diesel	NA
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg
Sample ID.	Date	Analytes	Result
TH-G-1-15'	1/26/2010	TPH-gas	ND<3 mg/kg
	1/26/2010	TPH-diesel	NA
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg
Sample ID.	Date	Analytes	Result
TH-G-1-20'	1/26/2010	TPH-gas	ND<3 mg/kg
	1/26/2010	TPH-diesel	NA
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg
Sample ID.	Date	Analytes	Result
TH-D-2-10'	1/26/2010	TPH-gas	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg

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Sample ID.	Date	Analytes	Result
TH-D-2-15'	1/26/2010	TPH-gas	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg
Sample ID.	**Date**	**Analytes**	**Result**
TH-D-2-20'	1/26/2010	TPH-gas	NA
	1/26/2010	TPH-diesel	ND<1.0 mg/Kg
	1/26/2010	Benzene	ND<5 ug/kg
	1/26/2010	Toluene	ND<5 ug/kg
	1/26/2010	Ethyl Benzene	ND<5 ug/kg
	1/26/2010	Xylenes	ND<5 ug/kg
	1/26/2010	MTBE	ND<5 ug/kg

Table 2
Chlorinated Pesticides
Arsenic and Lead
El Modeno Gardens
January 26, 2010

Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-3-0.5'	1/26/2010	4, 4' – DDD	0.009 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.083 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.040 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	0.019 J mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	4.72 mg/Kg	0.07 mg/Kg	Yes
	1/26/2010	Lead	5.80 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-3-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.19 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.047 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-4-0.5'	1/26/2010	4, 4' – DDD	0.040 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.90 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.012 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No

	1/26/2010	Dieldrin	ND<0 003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	**4.42 mg/Kg**	0.07 mg/Kg	**Yes**
	1/26/2010	Lead	9 33 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-4-2 5'	1/26/2010	4, 4' – DDD	ND<0 005 mg/Kg	2 3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.0012 J mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	**40 mg/Kg**	1.6 mg/Kg	**Yes**
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	**21 mg/Kg**	0.46 mg/Kg	**Yes**
	1/26/2010	Arsenic	**7.14 mg/Kg**	0.07 mg/Kg	Yes
	1/26/2010	Lead	108 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-2.5'	1/26/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.013 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0 025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	4.38	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-6-0.5'	1/26/2010	4, 4' – DDD	ND<0 005 mg/Kg	2 3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.11 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.15 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	**1.2 mg/Kg**	0.43 mg/Kg	**Yes**
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	**4.94 mg/Kg**	0.07 mg/Kg	**Yes**
	1/26/2010	Lead	16.1 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-6-2.5'	1/26/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0 025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0 003 mg/Kg	0.035 mg/Kg	No

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	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.24 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	0.40 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	**0.93 mg/Kg**	0.46 mg/Kg	**Yes**
	1/26/2010	Arsenic	**4.44 mg/Kg**	0.07 mg/Kg	**Yes**
	1/26/2010	Lead	8.23 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-8-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	**4.51 mg/Kg**	0.07 mg/Kg	**Yes**
	1/26/2010	Lead	3.76 mg/Kg	*150 mg/kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-8-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	NA	*150 mg/kg	NA
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-9-0.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	0.0015 J mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No

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	1/26/2010	Arsenic	3.25 mg/Kg	0.07 mg/Kg	Yes
	1/26/2010	Lead	66.5 mg/Kg	*150 mg/kg	No
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-9-2.5'	1/26/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	1/26/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	1/26/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	1/26/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	1/26/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	1/26/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
	1/26/2010	Arsenic	NA	0.07 mg/Kg	NA
	1/26/2010	Lead	4.18 mg/Kg	*150 mg/kg	No

Initial Conclusions

The sampling results for the former gasoline and diesel tank emplacements indicate that no residual hydrocarbon concentrations are evident which validate the prior sample collection of September 1998.

The biased soil sampling in the agricultural use areas indicate two areas of concern. The soil sample collected at 0.5-feet bgs (TH-5-0.5') from the hard-packed dirt floor of the very old wood constructed storage shed exhibits extremely elevated concentrations of 4,4-DDT (40 mg/kg) and Toxaphene (21 mg/kg). However, the vertical assessment soil sample (TH-5-2.5') exhibited 0.013 mg/kg of 4,4-DDT and ND<0.250 mg/kg of Toxaphene; both of which are well below their respective California Human Health Screening Level (CHHSL). Also, soil sample TH-5-0.5' exhibited 108 mg/kg of lead, however, the vertical assessment sample TH-5-2.5' exhibited a significant reduction to 4.38 mg/kg.

Unbiased soil sample TH-7-0.5'; sited south of the eucalyptus windbreak that separates the former labor camp from the El Modeno Gardens property and adjacent to a north-south trending dirt access road exhibited a Toxaphene concentration of 0.93 mg/kg which exceeded its respective CHHSL of 0.46 mg/kg.

Finally, soil sample TH-9-0.5' exhibited a moderately elevated lead concentration of 68 mg/kg, however, it rapidly attenuated to 4.18 mg/kg at 2.5-feet bgs. This sample was collected down-gradient of the boundary of the pistol range of the former Orange County Shooting and Training Center.

Initial Recommendations

The results of this limited soil sampling of the El Modeno Gardens property indicated one soil sample exhibiting significant concentrations of the chlorinated pesticides, 4,4-DDT and Toxaphene (TH-5-0.5'), and one minor detection of Toxaphene (TH-7-0.5') that trigger a greater than one-in-a-million cancer risk compared to Residential Preliminary Remediation Goals. Based on these findings AEC recommended continuation with "step-out" sampling surrounding collection points TH-5 and TH-7 to identify the lateral distribution of the chlorinated pesticide impacted soil.

"Step-Out" Sample Collection

Therefore, on February 9, 2010 an AEC geologist returned to El Modeno Gardens to collect the "step-out" surface (0.5' bgs) soil samples proximal to TH-5 and TH-7; two areas that previously exhibited elevated Toxaphene and 4,4-DDT concentrations in surface soil. The "step-out" sampling locations were biased and consisted of the following: the "north" sample was collected at 0.5' bgs from 5-feet north of initial sample TH-5 or TH-7. The "south" sample was collected at 0.5' bgs from 10-feet south of the original sampling location; the "east" sample was collected at

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0.5' bgs from 15-feet east of the original elevated sampling point; and the "west" sample was collected at 0.5' bgs from 20-feet west of the initial sampling point. The samples were identified based on original collection location followed by the new collection location i e TH-7-N-0.5' is interpreted as original sample location TH-7, "N" depicts the new location to the north, and 0.5' depicts the depth bgs. AEC did not collect any soil samples deeper than 0.5' bgs since all prior analytical results indicated chlorinated pesticide concentrations well below the residential CHHSL. The samples were collected using a hand auger to achieve the desired depth followed by a hand-held drive sampler for actual soil collection.

"Step-Out" Analytical Results

The results for the "step-out" chlorinated pesticide concentrations have been recorded in the following table:

Table 3
Chlorinated Pesticides
El Modeno Gardens
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Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-N-0.5'	2/9/2010	4, 4' – DDD	0.00087 J mg/Kg	2 3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.021 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.056 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.0045 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-S-0.5'	2/9/2010	4, 4' – DDD	0.017 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.26 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.53 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	0.0050 mgKg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	**0.68 mg/Kg**	0.46 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-E-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2 3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.11 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.12 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-W-0.5'	2/9/2010	4, 4' – DDD	0.069 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.45 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.29 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	**0.069 mg/Kg**	0.035 mg/Kg	Yes
	2/9/2010	Toxaphene	**1.1 mg/Kg**	0.46 mg/Kg	Yes

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Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-L-0.5'	2/9/2010	4, 4' – DDD	0.021 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.021 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.30 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	0.53 mg/Kg	0.46 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-N-0.5'	2/9/2010	4, 4' – DDD	0.013 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.028 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.069 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	0.027 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	0.20 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-S-0.5'	2/9/2010	4, 4' – DDD	0.014 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.21 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.17 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	0.69 mg/Kg	0.46 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-E-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.44 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.19 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	0.90 mg/Kg	0.46 mg/Kg	Yes
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-W-0.5'	2/9/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/9/2010	4, 4' – DDE	0.15 mg/Kg	1.6 mg/Kg	No
	2/9/2010	4, 4' – DDT	0.089 mg/Kg	1.6 mg/Kg	No
	2/9/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/9/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/9/2010	Toxaphene	0.41 mg/Kg	0.46 mg/Kg	No

"Step-Out" Conclusions

The results of AEC's initial "step-out" sampling to evaluate the lateral limits of the chlorinated pesticide migration indicated two new areas of concern proximal to the location 20-feet west of TH-5 and 10-feet south of TH-5. In addition, two new areas of concern were identified 5-feet north of TH-7 and 15-feet east of TH-7. The current elevated Toxaphene concentrations identified in the TH-7 "step-out" samples were similar in concentration to the prior detections ranging between 0.5-1 mg/kg and the concentrations outside of the former ag chemical storage shed exhibited greatly attenuating concentrations of Toxaphene and 4,4-DDT from a high of 40 mg/kg and 21 mg/kg respectively from the center floor of the storage area to approximately 0.29 mg/kg of DDT and 1.1 mg/kg of Toxaphene in the "step-out" samples.

"Step-Out" Recommendations

AEC recommended conducting additional "step-out" sampling to identify the lateral extent of Toxaphene migration proximal to the northern and eastern "step-out" sample collection points associated with TH-7 and the southern and western "step-out" sample collection points associated with TH-5.

Additional "Step-Out" Sample Collection

Therefore, on February 19, 2010 an AEC geologist again returned to El Modeno Gardens to collect the additional "step-out" surface (0.5' bgs) soil samples proximal to TH-5 (west and south sample locations) and TH-7 (north and east sample locations); four areas that previously exhibited elevated Toxaphene concentrations in surface soil. The "step-out" sampling locations were again biased and consisted of the same sampling nomenclature: Again, the "north" sample was collected at 0.5' bgs from 5-feet north of initial sample TH-5-S or W or TH-7-N or E. Therefore, the "south" sample was again collected at 0.5' bgs from 10-feet south of the original sampling location; the "east" sample was collected at 0.5' bgs from 15-feet east of the original elevated sampling point; and the "west" sample was collected at 0.5' bgs from 20-feet west of the initial sampling point. The samples were identified based on original collection location followed by the new collection location i.e TH-7-E-W-0.5' is interpreted as original sample location TH-7-E, "W" depicts the new location to the west, and 0.5' depicts the depth bgs. Again, AEC did not collect any soil samples deeper than 0.5' bgs since all prior analytical results indicated chlorinated pesticide concentrations well below the residential PRG. The samples were collected using a hand auger to achieve the desired depth followed by a hand-held drive sampler for actual soil collection.

Additional "Step-Out" Analytical Results

The results for the additional "step-out" chlorinated pesticide concentrations have been recorded in the following table:

Table 4
Chlorinated Pesticides
El Modeno Gardens
February 19, 2010

Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-S-N-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0036 J mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.0045 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-S-S-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No

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Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-S-E-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.035 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.018 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	0.016 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-S-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0026 J mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.0050 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-W-N-0.5'	2/19/2010	4, 4' – DDD	0.059 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.56 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.50 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	2.2 mg/Kg	0.46 mg/Kg	Yes
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-W-S-0.5'	2/19/2010	4, 4' – DDD	0.035 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.62 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.50 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	2.2 mg/Kg	0.46 mg/Kg	Yes
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-W-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-7-S-N-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.055 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.0062 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	0.0027 J mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	0.39 mg/Kg	0.46 mg/Kg	No

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Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-7-S-S-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2 3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.023 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0 025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	0.37 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-S-E-0 5'	2/19/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0 004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1 6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-S-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2 3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.0022 J mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0 025 mg/Kg	0 43 mg/Kg	No
	2/19/2010	Dieldrin	0.0022 J mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-E-N-0.5'	2/19/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-E-S-0.5'	2/19/2010	4, 4' – DDD	ND<0 005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	0.094 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	0.059 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0 035 mg/Kg	No
	2/19/2010	Toxaphene	0.38 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-E-E-0 5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No

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Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-7-E-W-0.5'	2/19/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	2/19/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	2/19/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	2/19/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	2/19/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	2/19/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No

Additional "Step-Out" Sampling Conclusions

The results of AEC's additional "step-out" sampling to evaluate the lateral limits of the chlorinated pesticide migration indicated only two new areas of concern proximal to the location 5-feet north and 10-feet south of TH-5-W. The current elevated Toxaphene concentrations identified in the TH-5-W "step-out" samples were both 2.2 mg/kg. Both of these sampling locations are within the "clean" western boundary as defined by TH-5-W-W-0.5' and the samples were collected from a sloping dirt apron that grades from the storage shed to the sampling points, therefore, not a surprise to identify elevated Toxaphene concentrations in this area as natural drainage would have transported the chemicals from the storage area to this sampled area. Therefore, AEC concludes that the boundaries of the migration have been defined.

Additional "Step-Out" Sampling Recommendations

AEC recommends conducting no more additional "step-out" sampling to identify the lateral extent of Toxaphene migration proximal to TH-5 and TH-7. Since the area is proposed as a future park location AEC recommends removal and disposal of the 4,4-DDT and Toxaphene impacted soil from the boundaries of the former storage shed and from TH-5-W-N-0.5' and TH-5-W-S-0.5'. The impacted soil should be excavated until soil samples indicate that Toxaphene concentrations do not exceed 1.6 mg/kg, which is the allowable concentration for industrial soil under EPA Region 9 guidelines (April 2009).

Pre-confirmation Sampling

On May 11, 2010 AEC supervised the excavation of the Toxaphene impacted soil proximal to the former wood-constructed storage shed and adjacent to nursery plant row 976. Soil was removed to a depth of approximately 1-foot from each of these two areas totaling an estimated 150 tons. Immediately following excavation of the Toxaphene impacted soil AEC collected confirmation soil samples from biased areas in the floors of each excavation. The soil samples were submitted to Associated Laboratories for analysis of chlorinated pesticides compounds. The results of this sampling exhibited Toxaphene concentrations below an "actionable" value of 0.46 mg/kg. Following are the tabulated results of this sampling.

Table 5
Chlorinated Pesticides
El Modeno Gardens
May 11, 2010

Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
CF-TH-5-L-1.5'	5/11/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/11/2010	4, 4' – DDE	0.0029 J mg/Kg	1.6 mg/Kg	No
	5/11/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No

	5/11/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/11/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/11/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
CF-TH-5-WS-1.5'	5/11/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/11/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/11/2010	4, 4' – DDT	0.0045 J mg/Kg	1.6 mg/Kg	No
	5/11/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/11/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/11/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
CF-TH-5-1.5'	5/11/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/11/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/11/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/11/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/11/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/11/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
CF-TH-5-SN-1.5'	5/11/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/11/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/11/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/11/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/11/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/11/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
CF-976-1.5'	5/11/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/11/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/11/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/11/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/11/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/11/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No

Confirmation Sampling

A late decision was made to involve Orange County Health Care Agency in the closure process. therefore, AEC contacted Mr. Louie Lodrigueza of the OCHCA and updated him on the work conducted to date. On May 14, 2010, AEC returned to the site, following excavation of the Toxaphene impacted soil, to collect confirmation soil samples under the direction of Mr. Louie Lodrigueza, OCHCA. Soil samples were collected from approximately 1.5-feet bgs at locations beneath the former wood-constructed storage shed from the floor and sidewall of the excavation and along the exterior (west side) of the former shed. In addition, confirmation soil samples were collected from the small excavation created proximal to former nursery plant row 976. The results of the confirmation soil samples exhibited no Toxaphene (or other OCP compounds) concentrations exceeding regulatory "action" level (CHHSL) of 0.46 mg/Kg. Below are the tabulated results of this sampling.

Table 6
Chlorinated Pesticides
El Modeno Gardens
May 14, 2010

Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH5-Con-3'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	0.004 J mg/Kg	1.6 mg/Kg	No
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH5-EW-Con-1.5'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH5-W-Con-1.5'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH5-S-Con-1.5'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH5-L-Con-1.5'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	0.005 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	0.007 mg/Kg	1.6 mg/Kg	No
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
976-Con-1.5'	5/14/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No

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	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
SP-C	5/14/2010	4, 4' – DDD	0.27 mg/Kg	2.3 mg/Kg	No
	5/14/2010	4, 4' – DDE	0.98 mg/Kg	1.6 mg/Kg	No
	5/14/2010	4, 4' – DDT	**4.3 mg/Kg**	1.6 mg/Kg	Yes
	5/14/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/14/2010	Dieldrin	0.15 mg/Kg	0.035 mg/Kg	No
	5/14/2010	Toxaphene	**9.6 mg/Kg**	0.46 mg/Kg	Yes

AEC submitted the results to Mr. Lodrigueza, OCHCA for approval. Although the Toxaphene results obtained were acceptable for residential CHHSL standards, Mr Lodrigueza recommended additional confirmation soil sampling beneath the former shed and proximal to nursery row 976 to adequately assess the entire impact zone.

On May 27, 2010 AEC returned to El Modeno Nursery to collect additional confirmation soil samples from the excavation proximal to the former shed and nursery row 976. Again, the analytical results for Toxaphene indicated concentrations below 0.46 mg/Kg.

The additional analytical results are tabulated below, and based on the "non-actionable" concentrations AEC recommends no further removal action be required and that the impacted soil be loaded into semi-end dumps for transportation to the Waste Management Landfill in Surprise, Arizona.

Table 7
Chlorinated Pesticides
El Modeno Gardens
May 27, 2010

Sample ID.	Date	Analytes	Result	Residential CHHSL	Exceeds CHHSL?
TH-5-S-CON-1-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	0.004 J mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-W-S-CON-2-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-W-N-CON-3-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No

	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-W-N-CON-4-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	ND<0.004 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-N-CON-5-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	0.007 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	0.050 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	0.002 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-5-L-CON-6-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	0.009 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	0.006 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-CON-1'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	0.002 J mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	ND<0.005 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	ND<0.003 mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	ND<0.250 mg/Kg	0.46 mg/Kg	No
Sample ID.	**Date**	**Analytes**	**Result**	**Residential CHHSL**	**Exceeds CHHSL?**
TH-7-A-CON-0.5'	5/27/2010	4, 4' – DDD	ND<0.005 mg/Kg	2.3 mg/Kg	No
	5/27/2010	4, 4' – DDE	0.053 mg/Kg	1.6 mg/Kg	No
	5/27/2010	4, 4' – DDT	0.030 mg/Kg	1.6 mg/Kg	No
	5/27/2010	Chlordane	ND<0.025 mg/Kg	0.43 mg/Kg	No
	5/27/2010	Dieldrin	0.002 J mg/Kg	0.035 mg/Kg	No
	5/27/2010	Toxaphene	0.26 mg/Kg	0.46 mg/Kg	No

On June 4, 2010 AEC supervised the loading of the Toxaphene impacted soil for disposal in Arizona. The Waste Management Landfill in Surprise, Arizona accepted 139 tons of Toxaphene impacted soil. (See attached signed manifests).

Based on the trace to non-detectable OCP concentrations identified in the confirmation soil samples following excavation, coupled with the disposal of the Toxaphene impacted soil at an approved landfill, AEC recommends no further action and requests closure for the Toxaphene issue proximal to the former storage shed and nursery row 976.

Closing

AEC appreciates the opportunity to prepare this summary for your review. If you should require additional information, please do not hesitate to contact AEC at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
California Registered Geologist #7468

Cc: Mr. Luis Lodrigueza, OCHCA

J-El Modeno



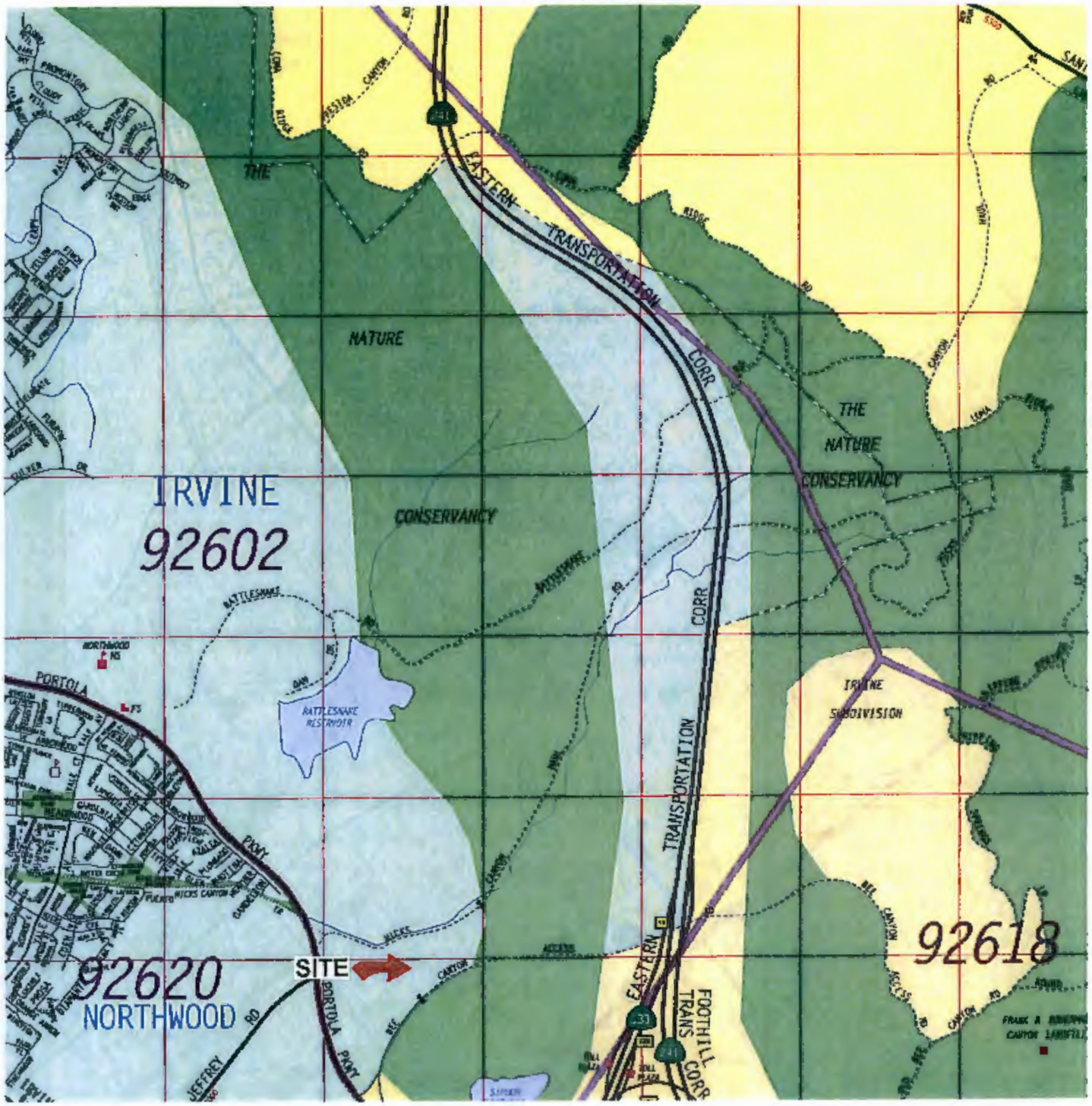
• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

220 E. TRUXTUN AVENUE • BAKERSFIELD, CA 93305 661/395-1646 • FAX 661/395-1616

Appendix A

FIGURES


TH-8-0.5'
TH-8-2.5'
TH-9-0.5'
TH-9-2.5'
TH-7-0.5'
TH-7-2.5'
ROW
976
TH-G-1-10'
TH-G-1-15'
TH-G-1-20'
TH-D-2-10'
TH-D-2-15'
TH-D-2-20'
TH-6-0.5'
TH-6-2.5'
TH-5-0.5'
TH-5-2.5'
105
106
107
108
109
110
111
112
113
TH-4-0.5'
TH-4-2.5'
TH-3-0.5'
TH-3-2.5'
© Eagle Aerial, Flown April 2008
GIS January 28, 2010



ADVANCED ENVIRONMENTAL CONCEPTS

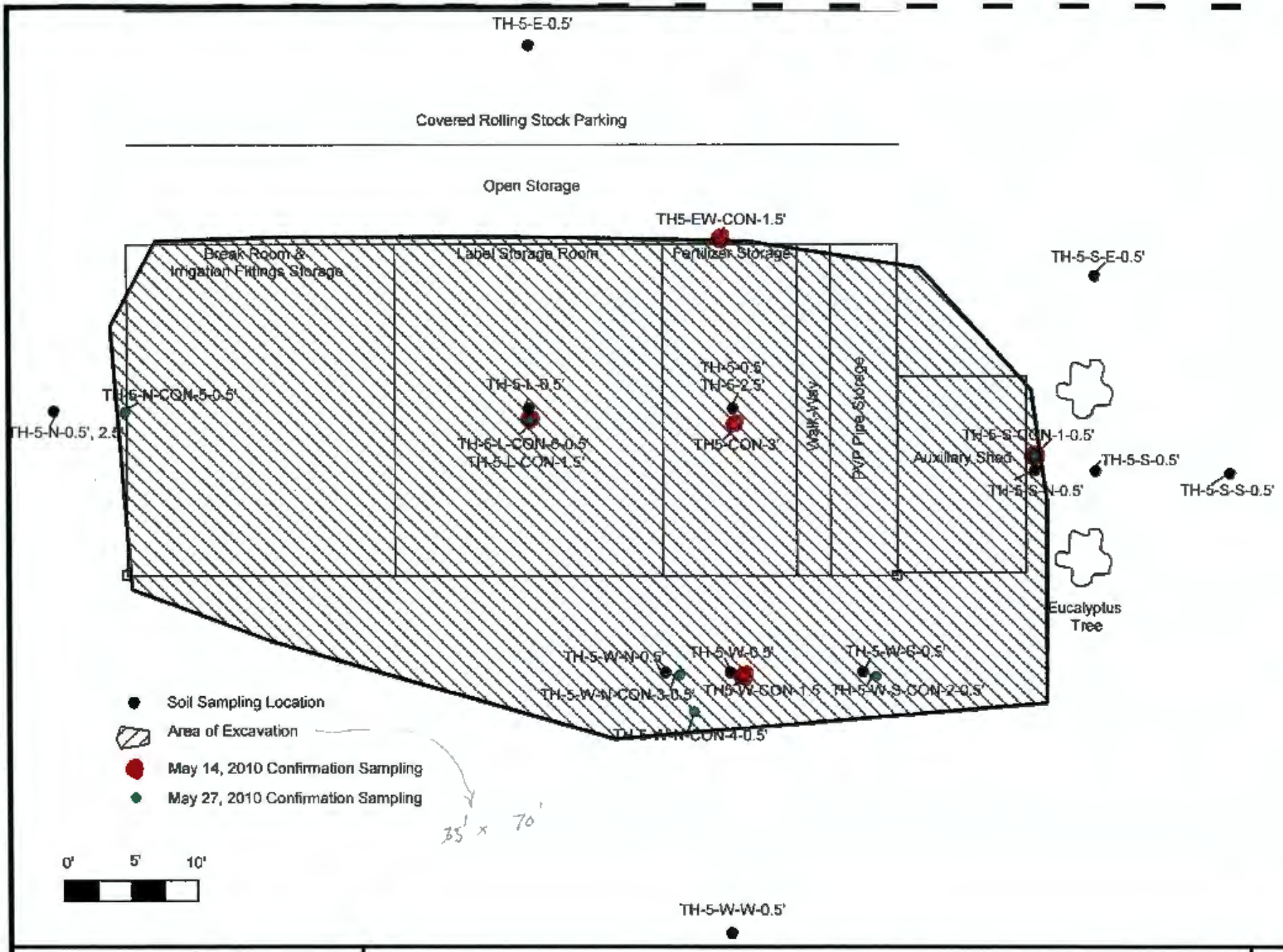
ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

- SITE LOCATION MAP-

Irvine Community Development Company
El Modeno Gardens
11911 Jeffrey Road
County of Orange • Irvine, California

FIGURE

1



ADVANCED ENVIRONMENTAL CONCEPTS INC

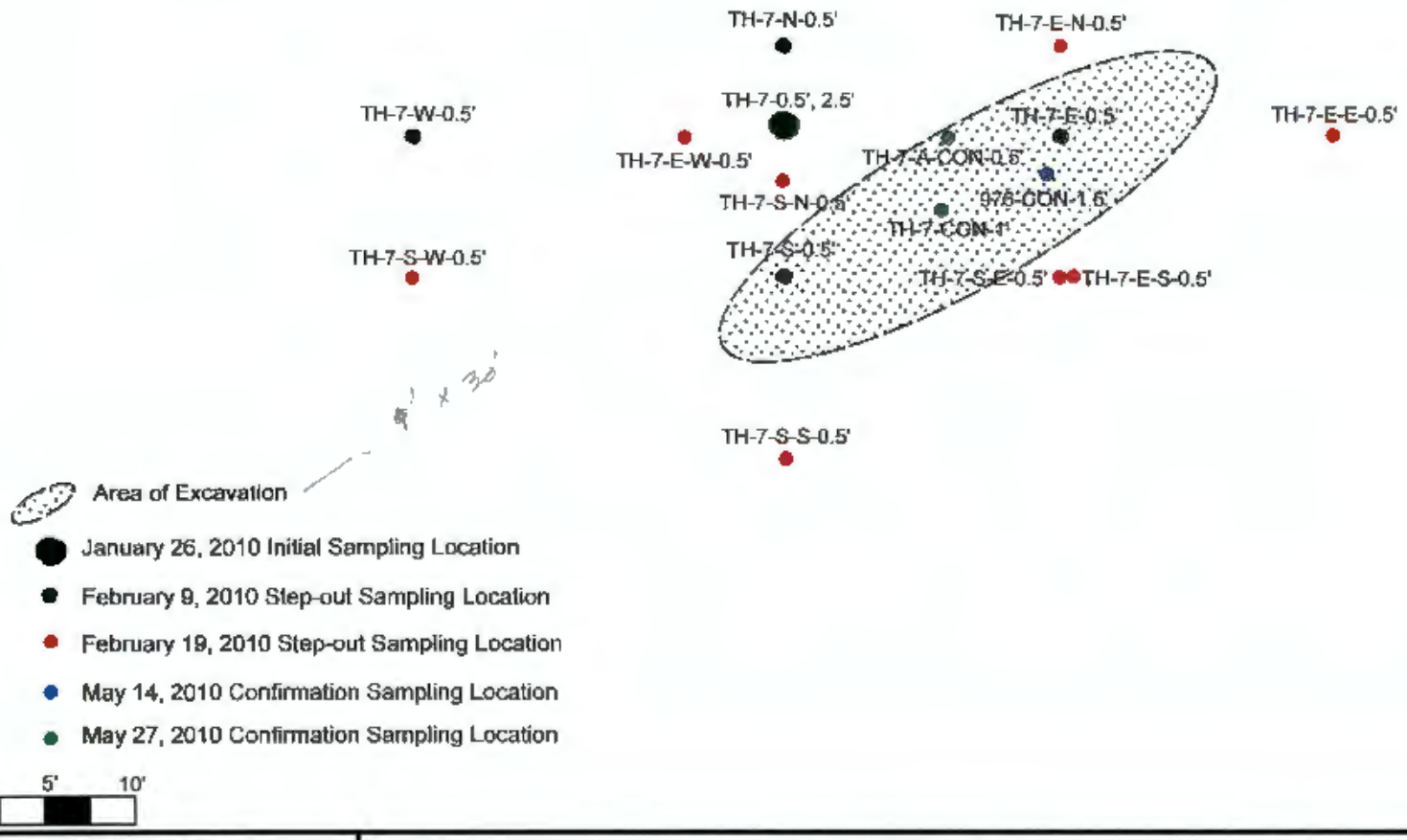
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Old Wooden Shed

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

2



ADVANCED ENVIRONMENTAL CONCEPTS INC

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Row 976

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

3

Appendix B

ANALYTICAL RESULTS

MAY 11, 2010 SAMPLING

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

MAY 19 2010

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 254574
REPORTED 05/13/2010
RECEIVED 05/11/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1078993	CF-TH-5-L-1.5'
1078994	CF-TH-5-WS-1.5'
1078995	CF-TH-5-1.5'
1078996	CF-TH-5-SN-1.5'
1078997	CF-976-1.5'
1078998	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1078993 **Client Sample ID** CF-TII-5-L-1.5'

Matrix: SOLID

Date Sampled: 05/11/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	0.0029 J	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	114	%	55 - 135
8081A	TCMX (Sur1)	86	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1078994 **Client Sample ID** CF-TH-5-WS-1.5'

Matrix: SOLID

Date Sampled: 05/11/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	0.0045 J	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	108	%	55 - 135
8081A	TCMX (Sur1)	75	%	50 - 125

EQL – Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J–Trace, S = Surrogate outside control limits

Order #: 1078995 **Client Sample ID** CF-TH-5-1.5'

Matrix: SOLID

Date Sampled: 05/11/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	120	%	55 - 135
8081A	TCMX (Sur1)	85	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1078996 **Client Sample ID** CF-TH-5-SN-1.5'

Matrix: SOLID

Date Sampled: 05/11/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	121	%	55 - 135
8081A	TCMX (Sur1)	90	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1078997 **Client Sample ID** CF-976-1.5'

Matrix: SOLID

Date Sampled: 05/11/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	109	%	55 - 135
8081A	TCMX (Sur1)	83	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1078998 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/12/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/12/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/12/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/12/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/12/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/12/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/12/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/12/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/12/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/12/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/12/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/12/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/12/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/12/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/12/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/12/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	90	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 254528-1078757

Matrix: SOLID

Analysis Date: 5/12/2010

Batch Date: 5/7/2010 (pest-050710s)

Applies to: LR 254528, LR 254529, LR 254536, LR 254563 & LR 254574

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS – mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.085	0.085	85	85	0	35	50-135
Heptachlor	ND	0.100	0.083	0.084	83	84	1	35	50-135
Aldrin	ND	0.100	0.078	0.077	78	77	0	35	50-135
Dieldrin	ND	0.100	0.088	0.088	88	88	0	35	50-135
Endrin	ND	0.100	0.102	0.101	102	101	0	35	50-135
DDT	ND	0.100	0.094	0.092	94	92	1	35	50-135

**** Outside Control Limits due to matrix interference***

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.092	92	55-130
Heptachlor	0.100	0.093	93	55-130
Aldrin	0.100	0.084	84	55-130
Dieldrin	0.100	0.095	95	55-130
Endrin	0.100	0.106	106	55-130
DDT	0.100	0.095	95	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Project: El Modeno Gardens
Date Received: 5-11-10
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other ___
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?		✓	
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?			✓
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 5-11-10

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia • Orange, CA 92868
Phone: (714) 771-6900 • Fax: (714) 538-1209

254574

Job No.

Page _____ of _____

Company AEI
Phone 661 979-1826
Project Manager John Buck
Fax 661 395-1616
Project Name CL Modena Gardens
Project #
Site Name and Address 13911 Jeffrey Rd Irvine, CA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: 8081A Cl-pest	Test Instructions & Comments
1	CF-TH-5-L-1.5'		5/4/10		S	1		1	
2	CF-TH-5-WS-1.5'		"		S	1		1	
3	CF-TH-5-1.5'		"		S	1		1	
4	CF-TH-5-SN-1.5'		"		S	1		1	
5	CF-976-1.5'		5/4/10		S	1		1	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	5	Properly Cooled Y / N / NA	(Y)
Custody Seals Y / N / NA		Samples Intact Y / N / NA	(Y)
Received in Good Condition Y / N	(Y)	Samples Accepted Y / N	(Y)

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:		Relinquished by	Relinquished by
Signature:		Signature:	Signature:
Printed Name:	John Buck	Printed Name:	Printed Name:
Date:	5/4/10 Time:	Date: Time:	Date: Time:
Received By:	1.	Received By: 2.	Received By: 3.
Signature:		Signature:	Signature:
Printed Name:	[illegible] Montoya	Printed Name:	Printed Name:
Date:	5-4-10 Time: 13:01	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

MAY 14, 2010 SAMPLING

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

MAY 27 2010

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 254862
REPORTED 05/21/2010
RECEIVED 05/14/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1080063	TH5-Con-3'
1080064	TH5-EW-Con-1.5'
1080065	TH5-W-Con-1.5'
1080066	TH5-S-Con-1.5'
1080067	TH5-L-Con-1.5'
1080068	976-Con-1.5
1080069	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1080063 **Client Sample ID** TH5-Con-3'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	0.004 J	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	98	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

rder #: 1080064 **Client Sample ID** TH5-EW-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:54

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	104	%	55 - 135
8081A	TCMX (Sur1)	86	%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

der #: 1080065 **Client Sample ID** TH5-W-Con-1.5'

Matrix: SOLID

te Sampled: 05/14/2010
ne Sampled: 10:56

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates				Units	Control Limits
8081A	DCB(Sur2)	130		%	55 - 135
8081A	TCMX (Sur1)	95		%	50 - 125

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1080066 **Client Sample ID** TH5-S-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 10:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	125	%	55 - 135
8081A	TCMX (Sur1)	90	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

rder #: 1080067 **Client Sample ID** TH5-L-Con-1.5'

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	0.005	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	0.007	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	0.003	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	134	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080068 **Client Sample ID** 976-Con-1.5

Matrix: SOLID

Date Sampled: 05/14/2010
Time Sampled: 11:09

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	121	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080069 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	100	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 254862-1080063

Matrix: SOLID

Analysis Date: 5/17/2010

Batch Date: 5/17/2010 (pest-051710s)

Applies to: LR 254862, LR 254861, LR 254910, LR 254915, LR 254918 & LR 254929

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS = mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.097	0.105	97	105	8	35	50-135
Heptachlor	ND	0.100	0.102	0.111	102	111	9	35	50-135
Aldrin	ND	0.100	0.090	0.097	90	97	8	35	50-135
Dieldrin	ND	0.100	0.095	0.105	95	105	10	35	50-135
Endrin	ND	0.100	0.095	0.103	95	103	8	35	50-135
DDT	0.0038	0.100	0.090	0.096	86	93	7	35	50-135

**** Outside Control Limits due to matrix interference***

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS = mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.102	102	55-130
Heptachlor	0.100	0.106	106	55-130
Aldrin	0.100	0.095	95	55-130
Dieldrin	0.100	0.100	100	55-130
Endrin	0.100	0.097	97	55-130
DDT	0.100	0.088	88	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Project: El Modeno Gardens
Date Received: 5-14-10
Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 3.0°

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?	✓		
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?		✓	
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: _____ Date: 5-14-10

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

25 4862

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: Lk 25486?
DATE RECEIVED: 5-14-10
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: yes COUNTY SEAL(S) INTACT: yes
CONTAINER IN GOOD CONDITION: yes
DATE ANALYSIS COMPLETED: 5-24-10
ANALYST: GH

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: Ef Modena Gardens
11911 Jeffrey Rd., Irvine
DATE OF COLLECTION: 5/14/2010
SAMPLE COLLECTOR/COMPANY: AEC
Jon Burk
TELEPHONE NO.:
HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH5-Con-3'	EPA Method		10:50
TH5-EW-CON-1.5'	8081 - all		10:54
TH5-W-CON-1.5'	samples		10:56
TH5-S-CON-1.5'			10:58
TH5-N-CON-1.5'			11:02
976-CON-1.5'			11:09

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PHS/HCA-EH	5/14/210 . 10:20
2.		AEC	5/14/2010
3.		Associated Lab.	5-14-10 . 12:42
4.			
5.			
6.			

#2

F272-S 1631 1(PB/89)

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

MAY 2 7 2010

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 254861
REPORTED 05/21/2010
RECEIVED 05/14/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1080059	SP-C
1080060	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward A. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1080059 **Client Sample ID** SP-C

Matrix: SOLID

Date Sampled: 05/14/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	0.27	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	0.98	20	0.08	0.014	mg/Kg	05/18/10 GH
8081A	4,4-DDT	4.3	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	0.15	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	9.6	25	6.25	1.9	mg/Kg	05/20/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	95	%	55 - 135
8081A	TCMX (Sur1)	90	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1080060 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	05/17/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	05/17/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	05/17/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	05/17/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	05/17/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	05/17/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	05/17/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	05/17/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	05/17/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	05/17/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	05/17/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	05/17/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	05/17/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	05/17/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	05/17/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	05/17/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	100	%	55 - 135
8081A	TCMX (Sur1)	87	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
QA REPORT FORM

Determinative Method : EPA 8081 Preparative Method: EPA 3545

QC Sample: 254862-1080063

Matrix: SOLID

Analysis Date: 5/17/2010

Batch Date: 5/17/2010 (pest-051710s)

Applies to: LR 254862, LR 254861, LR 254910, LR 254915, LR 254918 & LR 254929

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS

REPORTING UNITS – mg/Kg

Test	Sample Result	Spike Added	Spike Recovered		% Rec		RPD	QC Limits	
			MS	MSD	MS	MSD		RPD	% Rec
gamma-BHC (Lindane)	ND	0.100	0.097	0.105	97	105	8	35	50-135
Heptachlor	ND	0.100	0.102	0.111	102	111	9	35	50-135
Aldrin	ND	0.100	0.090	0.097	90	97	8	35	50-135
Dieldrin	ND	0.100	0.095	0.105	95	105	10	35	50-135
Endrin	ND	0.100	0.095	0.103	95	103	8	35	50-135
DDT	0.0038	0.100	0.090	0.096	86	93	7	35	50-135

**** Outside Control Limits due to matrix interference***

ND = Not Detected

% Rec - MS & MSD = Percent Recovery from Matrix Spike & Matrix Spike Duplicate

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate recoveries

LAB CONTROL SPIKE RECOVERY / METHOD BLANK

REPORTING UNITS – mg/Kg

Test	Spike Added	Spike Recovered	% Rec LCS	QC Limits % Rec
gamma-BHC (Lindane)	0.100	0.102	102	55-130
Heptachlor	0.100	0.106	106	55-130
Aldrin	0.100	0.095	95	55-130
Dieldrin	0.100	0.100	100	55-130
Endrin	0.100	0.097	97	55-130
DDT	0.100	0.088	88	55-130

% Rec - LCS = Percent Recovery from Lab Control Spike

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Project: El Modena Gardens
Date Received: 5-14-10
Sampler's Name (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 3.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?		✓	
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓ 5-14-10		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 5-14-10

Chain of Custody Record

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Company: Tom Buck
Project Manager: AEC
Project Name: El Modeno Gardens
Site Name and Address: 11911 Jeffrey Road Irvine CA
Phone:
Fax:
Project #:
A.L. Job No.:
Page ____ of ____

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.
1 SP-C		5/14/10		Soil	2	NO
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Analysis Requested

8081A ✓

Test Instructions & Comments

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	2	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Jonathan Buck	Signature:	Signature:
Printed Name: Tom Buck	Printed Name:	Printed Name:
Date: 5/14/10 Time: 1245	Date: Time:	Date: Time:
Received By: 1. ASL	**Received By:** 2.	**Received By:** 3.
Signature:	Signature:	Signature:
Printed Name: Juan Montoya	Printed Name:	Printed Name:
Date: 5-14-10 Time: 12:45	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

MAY 27, 2010 SAMPLING

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 255606
REPORTED 06/03/2010
RECEIVED 05/27/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1083480	TH-5-S-CON-1-0.5'
1083481	TH-5-W-S-CON-2-0.5'
1083482	TH-5-W-N-CON-3-0.5'
1083483	TH-5-W-N-CON-4-0.5'
1083484	TH-5-N-CON-5-0.5'
1083485	TH-5-L-CON-6-0.5'
1083486	TH-7-CON-1'
1083487	TH-7-A-CON-0.5'
1083488	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1083480 **Client Sample ID** TH-5-S-CON-1-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:41

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.004 J	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	81	%	55 - 135
8081A	TCMX (Sur1)	55	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083481 **Client Sample ID** TH-5-W-S-CON-2-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:44

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	82	%	55 - 135
8081A	TCMX (Sur1)	67	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083482 **Client Sample ID** TH-5-W-N-CON-3-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:46

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	92	%	55 - 135
8081A	TCMX (Sur1)	60	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083483 **Client Sample ID** TH-5-W-N-CON-4-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:54

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	85	%	55 - 135
8081A	TCMX (Sur1)	68	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083484 **Client Sample ID** TH-5-N-CON-5-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:48

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.007	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.050	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	0.002 J	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	99	%	55 - 135
8081A	TCMX (Sur1)	83	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083485 **Client Sample ID** TH-5-L-CON-6-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 07:50

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.009	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.006	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	86	%	55 - 135
8081A	TCMX (Sur1)	58	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083486 **Client Sample ID** TH-7-CON-1'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.002 J	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	86	%	55 - 135
8081A	TCMX (Sur1)	65	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083487 **Client Sample ID** TH-7-A-CON-0.5'

Matrix: SOLID

Date Sampled: 05/27/2010
Time Sampled: 08:10

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	0.053	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	0.030	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	0.002 J	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	0.26	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	87	%	55 - 135
8081A	TCMX (Sur1)	78	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1083488 **Client Sample ID** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	06/01/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	06/01/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	06/01/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	06/01/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	06/01/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	06/01/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	06/01/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	06/01/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	06/01/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	06/01/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	06/01/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	06/01/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	06/01/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	06/01/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	06/01/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	06/01/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	119	%	55 - 135
8081A	TCMX (Sur1)	88	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

255606

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 255606
DATE RECEIVED: 5/27/2010
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: yes
CONTAINER IN GOOD CONDITION: yes
DATE ANALYSIS COMPLETED: 6-1-10
ANALYST: GH

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: El Modena Garden
Jeffrey Rd, Irvine
DATE OF COLLECTION: 5/27/2010
SAMPLE COLLECTOR/COMPANY: AEC
Joe Bruck
TELEPHONE NO.:
HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-S-CON-1'	0.5' EPA Method 8081- for all	Additional samples	7:41 AM
TH-5-W-S-CON-2-1.0'	Samples		7:44
TH-5-W-N-CON-3-0.5'			7:46
TH-5-W-N-CON-4-0.5'			7:[illegible]54
TH-5-N-CON-5-0.5'			7:48
TH-5-L-CON-6-0.5'			7:50
TH-7-CON-1'			8:00
TH-7-A-CON-0.5'			8:10

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	PDC/HEB-EH	5/27/10 7:28 -
2.	Joe Bruck	AEC	5/27/10 -
3.	[signature]	ASSOC-LAB	5-27-10 - 2:45
4.	[signature]	Associated Laboratories	5-27-10 - 17:30
5.			-
6.			-

#2

F272-9.1531.1(REV.89)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC Project: _____
Date Received: 5-27-10 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?	✓		
If Yes – were they intact?	✓		
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?			✓
Were the containers labeled with correct preservatives?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: _____ Date: 5-27-10

Appendix C

UNIFORM HAZARDOUS WASTE MANIFESTS

ase print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAD982653321
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number: 004367644 JJK

5. Generator's Name and Mailing Address
EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US
Generator's Phone: 949-775-8111

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: B&D Const.
U.S. EPA ID Number: CA 0000372284

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
NORTHWEST REGIONAL LANDFILL
15401 W. DEER VALLEY ROAD
SURPRISE, AZ 85351
Facility's Phone: 623-584-8064
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID (LEAD, TOXAPHENE, DDT)	1	DT	18	Y	811
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information
PROFILE # 103451AZ
WEAR PROPER PESONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 36000 424-9300 OR EQUIVALENT)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for El Moleno Gardens Robert Groff
Signature: Jon Buck
Month: 06 Day: 04 Year: 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Don Jensen
Signature
Month: 06 Day: 04 Year: 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

PA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY/DESTINATION STATE (IF REQUIRED)

ase print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAG002553521			004367647 JJK

5. Generator's Name and Mailing Address
EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: VIKing Transport — U.S. EPA ID Number: CAR000197749

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
NORTHWEST REGIONAL LANDFILL
19401 W. DEER VALLEY ROAD
SURPRISE, AZ 85551
Facility's Phone: 623-584-6054

U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON-RCRA HAZARDOUS WASTE SOLID (LEAD, TOXAPHENE, DDT)	1	DT	18	Y	811		
	2.			0				
	3.			0				
	4.			0				

14. Special Handling Instructions and Additional Information
PROFILE # 103461AZ
WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 96000 424-9300 OR EQUIVALENT)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for El Moden Gardens Robert Groot — Signature: [signature] — Month: 06 — Day: 4 — Year: 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Artemio Cardenas — Signature: [signature] — Month: 6 — Day: 4 — Year: 10

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month: 10 — Day: 12 — Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

lease print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAC002653321	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 004367645 JJK

5. Generator's Name and Mailing Address
EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US
Generator's Phone: 949-725-8111

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: NC McDONALD — U.S. EPA ID Number: CAD 983616202

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
NORTHWEST REGIONAL LANDFILL
19401 W. DEER VALLEY ROAD
SURPRISE, AZ 85361
Facility's Phone: 623-584-6054 — U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA, HAZARDOUS WASTE SOLID (LEAD, TOXAPHENE, DDT)	1	DT	18	Y	611
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information
PROFILE # 103481AZ
WEAR PROPER PESONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 36000 424-9300 OR EQUIVALENT)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for EL Modeno Gardens Robert Groot — Signature: Jon Buck — Month 06 Day 04 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Nathan C. McDonald — Signature: NCMcDonald — Month 06 Day 04 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month 06 Day 14 Year 10

A Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ase print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: [illegible]
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number: 004367643 JJK

5. Generator's Name and Mailing Address
EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: D & S TRUCKING
U.S. EPA ID Number: CAR000045443

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
NORTHWEST REGIONAL LANDFILL
19401 W. DEER VALLEY ROAD
SURPRISE, AZ 85361
Facility's Phone: 623-584-6054
U.S. EPA ID Number

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID (LEAD, TOXAPHENE, DDT)	1	DT	18	Y	511
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information
PROFILE # 103451AZ
WEAR PROPER PESONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 93000 424-9300 OR EQUIVALENT)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for EL Modeno Robert Groot
Signature: for Buck
Month 06 Day 04 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOSE S RON
Signature: [signature]
Month 06 Day 04 Year 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature: [signature]
Month 10 Day 4 Year 10

4 Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ase print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAC002653221			004367648 JJK

5. Generator's Name and Mailing Address

EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US

Generator's Site Address (if different than mailing address)

Generator's Phone: 800-776-8111

6. Transporter 1 Company Name: Campbell & Son Trans — U.S. EPA ID Number: CAR000154435

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address

NORTHWEST REGIONAL LANDFILL
19801 W DEER VALLEY ROAD
SURPRISE, AZ 85387

U.S. EPA ID Number

Facility's Phone: 623-933-9054

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOILD (LEAD, TOXAPHENE, DDT)	1	DT	18	Y	811
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information

PROFILE # 105481 AZ
WEAR PROPER PESONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 99000 424-9300 OR EQUIVALENT)

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for El Modeno Gardens Robert Groof — Signature: Jon Buck — Month: 06 Day: 04 Year: 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Miles Campbell — Signature: Miles Campbell — Month: 06 Day: 04 Year: 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature: Miles Campbell — Month: 06 Day: 04 Year: 10

Form 8700-22 (Rev. 9-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ease print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002853321
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number: 004367646 JJK

5. Generator's Name and Mailing Address
EL MODENO GARDENS
11911 JEFFERY ROAD
IRVINE, CA 92602 US
Generator's Phone: 800-775-8111

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: R.J.L. Trucking
U.S. EPA ID Number: CAR000135219

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
NORTHWEST REGIONAL LANDFILL
5401 W. DEER VALLEY ROAD
SURPRISE, AZ 85351
Facility's Phone: 623-584-6054
U.S. EPA ID Number

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE SOLID (LEAD, TOXAPHENE, DDT)	1	DT	15	Y	S11
	2.			0		
	3.			0		
	4			0		

14. Special Handling Instructions and Additional Information
PROFILE # 103451AZ
WEAR PROPER PESONAL PROTECTIVE EQUIPMENT WHEN HANDLING
24 HOUR EMERGENCY NO. (CHEMTREC 95300 424-9300 OR EQUIVALENT)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jon Buck for El Moreno Gardens Robert Groot
Signature
Month: 06 Day: 07 Year: 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ruben J. Lopez
Signature
Month: 06 Day: 09 Year: 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: 10 Day: 11 Year: 10

Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

258193

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

RECEIVED HCA
AUG 02 2010
ENVIRONMENTAL HEALTH

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: 7/16/10

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 7/23/10

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: El Modena Gardens
Jeffrey Rd, Irvine

DATE OF COLLECTION: 7/16/2010

SAMPLE COLLECTOR/COMPANY: ACC / JDK Drilling
Jon Buck

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
PIT-1-30'	EPA Methods 8015M;	Septic tank pits 30-35 ft bgs, Brick-	8:10 AM
PIT-1-35	8260B; 6010B; 8270 —	walled-unused for 7+ decades	8:15 AM
PIT-2-3-30'	all samples.		9:30
PIT-2-3-35			9:25
PIT-4,5-30			10:35
PIT-4,5-35'			10:40

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PHS/HSA-EH	7/16/10 7:15 -
2.		ACC	7/16/10 - 1040
3.	FRANCISO	ASSOC LAB	7-20-10 - 2:45
4.		Associated Lab	7/16/10 - 16:50
5.			-
6.			-

#2

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-S 1531.1(R&89) (DRS)

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: El Modena Golf Park
Jeffrey Rd, Irvine

DATE OF COLLECTION: 7/16/2010

SAMPLE COLLECTOR/COMPANY: AEC
Jon Buck

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Lisa Ludwigsen

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
PT-1-20'	VOA Methods 8015M,	Septic tank influent-20-25' bgs, Sink -	8:40 AM
PT-1-25	8260 - with 8271 -	Sampled - moved for 25 ft depth	8:15 AM
PT-2-20'	VOC samples.		9:20
PT-2-25			9:35
PT-3-20'			10:35
PT-3-25'			10:40

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		OHS/HCA-EH	7/16/10 7:45 -
2.	Jon Buck	AEC	7/16/10 - 10:40
3.			-
4.			-
5.			-
6.			-

#2

F272-9.1531.1(R6/89)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 6010

QC Sample: 255717-1094338 H# 072110 so2

Matrix: SOLID

Prep. Date: July 21, 2010

Analysis Date: July 22, 2010

Lab ID#'s in Batch: 255717, 257735, 257731, 258173, 258160, 258087, 258193, 258372, 258298, 255717

Reporting Units = mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	% RPD
As	3.200	100.0	91.00	82.00	88	79	10
Se	ND	100.0	92.00	83.00	92	83	10
Tl	ND	100.0	90.00	82.00	90	82	9
Pb	13.000	100.0	109.00	96.00	96	83	13
Sb *	ND	100.0	78.00	70.00	78	70	11
Ba	250.000	100.0	364.00	352.00	114	102	3
Be	1.200	100.0	104.00	92.00	103	91	12
Cd	0.530	100.0	97.00	87.00	96	86	11
Cr	55.000	100.0	161.00	151.00	106	96	6
Co	12.000	100.0	110.00	100.00	98	88	10
Cu	31.000	100.0	128.00	120.00	97	89	6
Mo	1.300	100.0	89.00	80.00	88	79	11
Ni	16.000	100.0	114.00	105.00	98	89	8
Ag	ND	50.0	45.00	41.00	90	82	9
V	98.000	100.0	201.00	194.00	103	96	4
Zn	86.000	100.0	191.00	184.00	105	98	4

* = Outside QC Limits, Due to Matrix Interference

If Sample Result > 4 Times Spike Added, Then "NC"

% REC LIMITS = 75 -125
RPD LIMITS - 20

ASSOCIATED LABORATORIES

LCS REPORT FORM - METHOD 6010

LCS RECOVERY / METHOD BLANK

Test	LCS Result	True Value	LCS %Rec	QC Limit %REC	Method Blank
Ag	100.00	100	100	80-120	< 0.5
As	210.00	200	105	80-120	< 1
Ba	214.00	200	107	80-120	< 1
Be	197.00	200	99	80-120	< 0.5
Cd	208.00	200	104	80-120	< 0.5
Co	212.00	200	106	80-120	< 0.5
Cr	215.00	200	108	80-120	< 1
Cu	208.00	200	104	80-120	< 1
Mo	206.00	200	103	80-120	< 1
Ni	212.00	200	106	80-120	< 1.5
Pb	216.00	200	108	80-120	< 0.5
Sb	203.00	200	102	80-120	< 3
Se	201.00	200	101	80-120	< 1
Tl	218.00	200	109	80-120	< 1
V	218.00	200	109	80-120	< 0.5
Zn	213.00	200	107	80-120	< 5

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 258173-1096331

Matrix: SOIL

Prep. Date: July 23, 2010

Analysis Date: July 23, 2010

Lab ID#'s in Batch: 257729, 258173, 258193, 258298, 257731, 258296, 258352, 258421, 258447

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = mg/Kg

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
MERCURY	7471	0.44	0.78	1.07	1.08	81	82	1

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

%REC LIMITS 75-125
RPD LIMITS - 20

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

	PREP BLK	LCS				
	Value	Result	True	%Rec	L.Limit	H.Limit
LCS-1	ND	0.81	0.80	101	80%	120%

Value = Preparation Blank Value; ND = Not-Detected
LCS Result = Lab Control Sample Result
True = True Value of LCS
L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 258193-494-ms,msd

Matrix: SOLID

Extraction Method 3545

Prep. Date: July 19, 2010

Analysis Date: July 19, 2010

Lab ID#'s in Batch. 258174, 258089, 258193, 258191, 258221

Reporting Units – mg/Kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Method	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.0	20.3	19.4	81	78	5	30	70-130

* = Outside QC Limits

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Test	Method	Method Blank	Spike Added	LCS Spike	%Rec LCS	QC Limits RPD	QC Limits %REC
DIESEL	8015D	ND	25.0	20.0	80	30	70-130

SURROGATE RECOVERY

Sample No.	n-triacontane-d62
QC Limit	60-140
MS	104
MSD	92
Method Blank	76
LCS	87

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 4

QC Sample ID: 258221-555
QC Batch ID: *8260MS#4-0721S*
Prep Method: *5035*
Date Prepared: July 21, 2010
Date Analyzed: 7/21/2010 - 7/22/2010
Sample Matrix: Solid
Units: µg/Kg

Lab ID#'s in Batch: LR258298, 258353, 258221, 258193, 258403

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	53.6	52.5	107	105	2	22	59 - 172
MTBE	0.00	50.0	56.3	54.7	113	109	3	24	62 - 137
Benzene	0.00	50.0	54.3	51.6	109	103	5	24	62 - 137
Trichloroethene	0.00	50.0	52.0	51.0	104	102	2	21	66 - 142
Toluene	0.00	50.0	51.1	50.2	102	100	2	21	59 - 139
Chlorobenzene	0.00	50.0	51.7	49.7	103	99	4	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	46.6	93	59 - 172
MTBE	50.0	56.9	114	62 - 137
Benzene	50.0	46.7	93	62 - 137
Trichloroethene	50.0	44.0	88	66 - 142
Toluene	50.0	45.5	91	59 - 139
Chlorobenzene	50.0	46.6	93	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec	MS % Rec	MSD % Rec	LCS % Rec	Limits % Rec
Dibromofluoromethane	104	104	103	105	105	70 - 135
1,2-Dichloroethane-d4	109	107	104	105	115	70 - 135
Toluene-d8	102	101	96	96	99	70 - 135
p-Bromofluorobenzene	103	97	95	96	96	70 - 135

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : EPA 8270 Preparative Method: EPA 3545

QC Sample: 258107-1096134

Matrix: SOLID

Date Analyzed : 7/19/2010

Batch Date: 7/16/2010 (8270-071610s)

Applies to: LR 258105, LR 258107, LR 258173 & LR 258193

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = µg/Kg

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spk. Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
Phenol	ND	2500	1957	1878	78	75	4	52	18-115
2-Chorophenol	ND	2500	2133	2128	85	85	0	58	26-90
1,4-Dichlorobenzene	ND	2500	1905	1855	76	74	3	81	13-93
N-Nitroso-di-*N*-propylamine	ND	2500	1895	1813	76	73	4	56	18-114
1,2,4-Trichlorobenzene	ND	2500	1791	1791	72	72	0	57	19-115
4-Chloro-3-methylphenol	ND	2500	2290	1976	92	79	15	34	29-115
Acenaphthene	ND	2500	2371	2262	95	90	5	50	17-114
4-Nitrophenol	ND	2500	2231	2031	89	81	9	45	3-115
2,4-Dinitrotoluene	ND	2500	2198	2188	88	88	0	30	40-115
Pentachlorophenol	ND	2500	1797	1958	72	78	9	41	0-146
Pyrene	ND	2500	2477	2479	99	99	0	37	26-141

** Outside Control Limits due to matrix interference*

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

% Rec-MS & MSD = Percent Recoveries from Matrix Spike & Matrix Spike Duplicate

LCS RECOVERY / METHOD BLANK

REPORTING UNITS = µg/Kg

Test	Spike Added	LCS Result	LCS % Rec	Limits % Rec
Phenol	2500	1733	69	25-100
2-Chorophenol	2500	2124	85	19-100
1,4-Dichlorobenzene	2500	2039	82	16-100
N-Nitroso-di-*N*-propylamine	2500	1764	71	17-108
1,2,4-Trichlorobenzene	2500	1941	78	15-96
4-Chloro-3-methylphenol	2500	2259	90	27-100
Acenaphthene	2500	2462	98	23-109
4-Nitrophenol	2500	2289	92	7-104
2,4-Dinitrotoluene	2500	2335	93	45-105
Pentachlorophenol	2500	1839	74	11-107
Pyrene	2500	2466	99	45-130

Method Blank = All ND

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 7/16/10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: x Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other
Cooler or box temperature: 4C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	x		
Is it properly completed? (IDs, sampling date and time, signature, test)	x		
Were custody seals present?	x	x x	
If Yes – were they intact?	x		
Were all samples sealed in plastic bags?			x
Did all samples arrive intact? If no, indicate below.	x		
Did all bottle labels agree with COC? (ID, dates and times)	x		
Were correct containers used for the tests required?	x		
Was a sufficient amount of sample sent for tests indicated?	x		
Was there headspace in VOA vials?			x
Were the containers labeled with correct preservatives?			x
Was total residual chlorine measured (Fish Bioassay samples only)? *			x

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [signature] Date: 7/16/10

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ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 258193
REPORTED 07/28/2010
RECEIVED 07/16/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1096494	PIT-1-30'
1096495	PIT-1-35'
1096496	PIT-2-3-30'
1096497	PIT-2-3-35'
1096498	PIT-4-5-30'
1096499	PIT-4-5-35'
1096500	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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ENVIRONMENTAL H.

Order #: 1096494 **Client Sample ID** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.16	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	76.5	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.211 J	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.433 J	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	7.22	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	2.45	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	2.75	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	2.80	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	2.83	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.515	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	17.6	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	22.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

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Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	64				%	23 - 120
8270C	Phenol-d5 (sur)	79				%	24 - 113
8270C	Terphenyl-d14 (sur)	95				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	106				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	73				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	9.11	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	537	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.500	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	20.1	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	8.41	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.72	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.60	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	0.847 J	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	10.8	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	231	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.6	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PJT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PJT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68				%	30 - 115
8270C	2-Fluorophenol (sur)	70				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	59				%	23 - 120
8270C	Phenol-d5 (sur)	73				%	24 - 113
8270C	Terphenyl-d14 (sur)	91				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08.15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	100				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	71				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	327	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.833	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.412 J	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	18.5	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	11.9	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.43	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.18	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	8.87	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	64.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	86.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit; MDL = Method detection limit; DF = Dilution Factor
ND = Not detected below indicated MDL; J=Trace; S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	76				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70				%	30 - 115
8270C	2-Fluorophenol (sur)	75				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	67				%	23 - 120
8270C	Phenol-d5 (sur)	77				%	24 - 113
8270C	Terphenyl-d14 (sur)	93				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J = Trace. S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
8260B	Surr3 - Toluene-d8	99				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	68				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	169	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.367 J	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	9.86	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	4.15	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	3.80	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	3.35	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	3.64	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.360 J	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	22.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	31.1	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	69				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	62				%	23 - 120
8270C	Phenol-d5 (sur)	80				%	24 - 113
8270C	Terphenyl-d14 (sur)	96				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.37	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 135
8260B	Surr3 - Toluene-d8	98				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	83				%	60 - 140

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.08	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	230	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.569	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	25.0	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	5.88	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	11.2	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	7.76	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.9	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	171	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.2	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	69				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	60				%	23 - 120
8270C	Phenol-d5 (sur)	79				%	24 - 113
8270C	Terphenyl-d14 (sur)	93				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace. S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	108				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	111				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.62	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	254	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.702	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.689	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	26.8	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	7.11	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	7.36	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	5.36	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.3	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	50.2	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	66.9	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	2300	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	87				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	83				%	30 - 115
8270C	2-Fluorophenol (sur)	88				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	76				%	23 - 120
8270C	Phenol-d5 (sur)	89				%	24 - 113
8270C	Terphenyl-d14 (sur)	94				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit. MDL = Method detection limit. DF = Dilution Factor
ND = Not detected below indicated MDL. J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	93				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	60				%	60 - 140

EQL = Estimated Quantitation Limit. MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.00	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Barium	ND	1	1.00	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	ND	1	0.50	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.50	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	ND	1	0.50	0.19	mg/Kg	07/22/10 KN
6010B	Copper	ND	1	1.00	0.31	mg/Kg	07/22/10 KN
6010B	Lead	ND	1	0.50	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	ND	1	1.50	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.00	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.50	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	ND	1	0.50	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	ND	1	5.00	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/19/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/19/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/19/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/19/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/19/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/19/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/19/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/19/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/19/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/19/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/19/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/19/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/19/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/19/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/19/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/19/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/19/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/19/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/19/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/19/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/19/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/19/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/19/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/19/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/19/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/19/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/19/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/19/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/19/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/19/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/19/10 SD

Surrogates						Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	67				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	84				%	30 - 115
8270C	2-Fluorophenol (sur)	96				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	85				%	23 - 120
8270C	Phenol-d5 (sur)	94				%	24 - 113
8270C	Terphenyl-d14 (sur)	99				%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/21/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/21/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/21/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/21/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/21/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/21/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/21/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/21/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/21/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/21/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/21/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/21/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/21/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/21/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	104				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	102				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	76				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 258193
REPORTED 07/28/2010
RECEIVED 07/16/2010

PROJECT El Modeno Gardens

SUBMITTER Client

SEP 11 2010

COMMENTS Added EPA 8081 to order #1096495, 499 on 09/02/10.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1096494	PIT-1-30'
1096495	PIT-1-35'
1096496	PIT-2-3-30'
1096497	PIT-2-3-35'
1096498	PIT-4-5-30'
1096499	PIT-4-5-35'
1096500	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

RECEIVED HCA
SEP 27 2010
ENVIRONMENTAL HLTH

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.16	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	76.5	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	ND	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	7.22	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	2.45	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	2.75	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	2.80	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	2.83	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.515	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	17.6	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	22.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	64				%	23 - 120
8270C	Phenol-d5 (sur)	79				%	24 - 113
8270C	Terphenyl-d14 (sur)	95				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID**: PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	106				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	73				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PJT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	9.11	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	537	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.500	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	20.1	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	8.41	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.72	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.60	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	0.847 J	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	10.8	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	231	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.6	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68				%	30 - 115
8270C	2-Fluorophenol (sur)	70				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	59				%	23 - 120
8270C	Phenol-d5 (sur)	73				%	24 - 113
8270C	Terphenyl-d14 (sur)	91				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #:. 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	100				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	09/04/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	09/04/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	09/04/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	09/04/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	09/04/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	09/04/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	09/04/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	09/04/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	09/04/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	09/04/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	09/04/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	09/04/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	09/04/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	09/04/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	97				%	55 - 135
8081A	TCMX (Sur1)	101				%	50 - 125
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	71				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	327	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.833	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.412 J	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	18.5	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	11.9	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.43	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.18	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	8.87	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	64.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	86.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #:. 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	76				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70				%	30 - 115
8270C	2-Fluorophenol (sur)	75				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	67				%	23 - 120
8270C	Phenol-d5 (sur)	77				%	24 - 113
8270C	Terphenyl-d14 (sur)	93				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #:- 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
8260B	Surr3 - Toluene-d8	99				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	68				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	169	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.367 J	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	9.86	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	4.15	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	3.80	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	3.35	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	3.64	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.360 J	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	22.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	31.1	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	69	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68	%	30 - 115
8270C	2-Fluorophenol (sur)	74	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	62	%	23 - 120
8270C	Phenol-d5 (sur)	80	%	24 - 113
8270C	Terphenyl-d14 (sur)	96	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 135
8260B	Surr3 - Toluene-d8	98				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	83				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.08	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	230	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.569	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	25.0	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	5.88	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	11.2	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	7.76	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.9	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	171	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.2	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF – Dilution Factor
ID = Not detected below indicated MDL, J–Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates				Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	72		%	17 - 122
8270C	2-Fluorobiphenyl (sur)	69		%	30 - 115
8270C	2-Fluorophenol (sur)	74		%	25 - 121
8270C	Nitrobenzene-d5 (sur)	60		%	23 - 120
8270C	Phenol-d5 (sur)	79		%	24 - 113
8270C	Terphenyl-d14 (sur)	93		%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S – Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	108				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	111				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.62	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	254	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.702	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.689	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	26.8	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	7.11	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	7.36	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	5.36	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.3	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	50.2	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	66.9	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	2300	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

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Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates				Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	87		%	17 - 122
8270C	2-Fluorobiphenyl (sur)	83		%	30 - 115
8270C	2-Fluorophenol (sur)	88		%	25 - 121
8270C	Nitrobenzene-d5 (sur)	76		%	23 - 120
8270C	Phenol-d5 (sur)	89		%	24 - 113
8270C	Terphenyl-d14 (sur)	94		%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

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Order #:- 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

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Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	93				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	09/04/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	09/04/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	09/04/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	09/04/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	09/04/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	09/04/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	09/04/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	09/04/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	09/04/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	09/04/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	09/04/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	09/04/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	09/04/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	09/04/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	94				%	55 - 135
8081A	TCMX (Sur1)	108				%	50 - 125
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	60				%	60 - 140

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Order #:* 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.00	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Barium	ND	1	1.00	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	ND	1	0.50	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.50	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	ND	1	0.50	0.19	mg/Kg	07/22/10 KN
6010B	Copper	ND	1	1.00	0.31	mg/Kg	07/22/10 KN
6010B	Lead	ND	1	0.50	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	ND	1	1.50	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.00	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.50	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	ND	1	0.50	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	ND	1	5.00	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/19/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/19/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/19/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/19/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/19/10 SD

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Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/19/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/19/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/19/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/19/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/19/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/19/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/19/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/19/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/19/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/19/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/19/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/19/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/19/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/19/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/19/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/19/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/19/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/19/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/19/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/19/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/19/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/19/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/19/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/19/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/19/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/19/10 SD

Surrogates						Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	67				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	84				%	30 - 115
8270C	2-Fluorophenol (sur)	96				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	85				%	23 - 120
8270C	Phenol-d5 (sur)	94				%	24 - 113
8270C	Terphenyl-d14 (sur)	99				%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/21/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/21/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/21/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/21/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/21/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/21/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/21/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/21/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/21/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/21/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/21/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/21/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/21/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/21/10 NZ

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	104				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	102				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	09/04/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	09/04/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	09/04/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	09/04/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	09/04/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	09/04/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	09/04/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	09/04/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	09/04/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	09/04/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	09/04/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	09/04/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	09/04/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	09/04/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	109				%	55 - 135
8081A	TCMX (Sur1)	111				%	50 - 125
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	76				%	60 - 140

QL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Danielle Roberts

From: April Saceaux [april@advanced-ec.com]
Sent: Thursday, September 02, 2010 2:14 PM
To: 'Kristen Portra'
Cc: 'Danielle Roberts'
Subject: FW: El Modeno-Additional Analysis
Importance: High

Hello!

See the email below. Please proceed with Luis' request below for LR #.258193. If you have any questions, please let me know.

Thanks,

April Saceaux
Office Manager
Advanced Environmental Concepts, Inc.
220 E. Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646
(661) 395-1616 Fax

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From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Thursday, September 02, 2010 1:05 PM
To: Jon Buck
Subject: El Modeno-Additional Analysis

Jon,

495 499

Please have the lab run samples Pit-1-35' and Pit 4-5-35' for organochlorine pesticides by EPA Method 8081A, as requested by the RWQCB.

Thanks.

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

ADVANCED ENVIRONMENTAL CONCEPTS INC

July 31, 2010

Mr. Peter Changala
The Irvine Company – Agricultural Division
550 Newport Center Drive
Newport Beach, California 92660

RE: Sampling of Five (5) "Dry Well Septic Pits
El Modeno Nursery
11911 Jeffrey Road
Irvine, California

Dear Mr. Changala;

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following summary report of abandonment of the five (5) "dry well" out-of-service septic pits discovered at the former El Modeno Nursery, 11911 Jeffrey Road, Irvine, California. The five brick-lined "dry wells" were associated with historic septic disposal systems that serviced the nursery employees and former labor camp.

1.0 Proposed Mitigation Services

1.1 Brick-lined Dry Well Investigation

On July 16, 2010 AEC mobilized to the El Modeno Nursery to investigate the brick-lined dry wells discovered by Irvine Company employees. AEC initially sounded the bottom of each pit prior to drilling an assessment boring. Four of the five 4-foot diameter brick-lined holes were approximately 30-feet in depth and dry well #2 was approximately 15-feet in depth. AEC contracted JDK Drilling to mobilize a hollow-stem auger to the site and drill the center of each dry well. However, upon trying to position the drill rig over the center of the dry well it was apparent that it was too dangerous of a work space, therefore, following consultation with Mr. Lodrigueza, Orange County health Care Agency (OCHCA), Hazardous Materials Specialist it was decided that drilling could occur adjacent to each dry well versus drilling through the center of each dry well. Also, because dry wells 2 & 3, and 3 & 4 were positioned close to each other it was decided that a boring drilled between the dry wells would be sufficient as an adequate investigation.

Soil samples were collected using a split-spoon sampler lined with brass sleeves at the following locations: floor of the dry well (30' bgs), then at depths of 5', 10', and 15' below the sounded bottom of each dry well corresponding to 35', 40', and 45' bgs. The initial soil sample and 5' soil sample were analyzed for TPH-carbon chain (TPH-cc), Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Title 22 Metals. The 10' and 15' soil samples were archived pending the results of the initial analyses. No TPH-cc, VOC's, SVOC's, or Title 22 metals were detected that exceeded applicable residential Preliminary Remediation Goals (PRG's), or California Human Health Screening Levels (CHHSL's). Based on the analytical results for the soil samples

220 E TRUXTUN AVENUE • BAKERSFIELD, CA 93305 661/395-1646 • FAX 661/395-1616

collected at 30' and 35' bgs AEC considers the five dry wells to be "clean" and recommends that the annular space filled with a 1-sack cement slurry to 4-feet bgs. This recommendation will need to be confirmed and certified by a Certified Engineering Geologist. AEC has contacted Mr. Tom Devine, NMG Geotechnical for a determination on the proper closure of the open pits.

2.0 Closing

AEC appreciates the opportunity to prepare this summary sampling report for your review. If you should require additional information, please do not hesitate to contact AEC at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

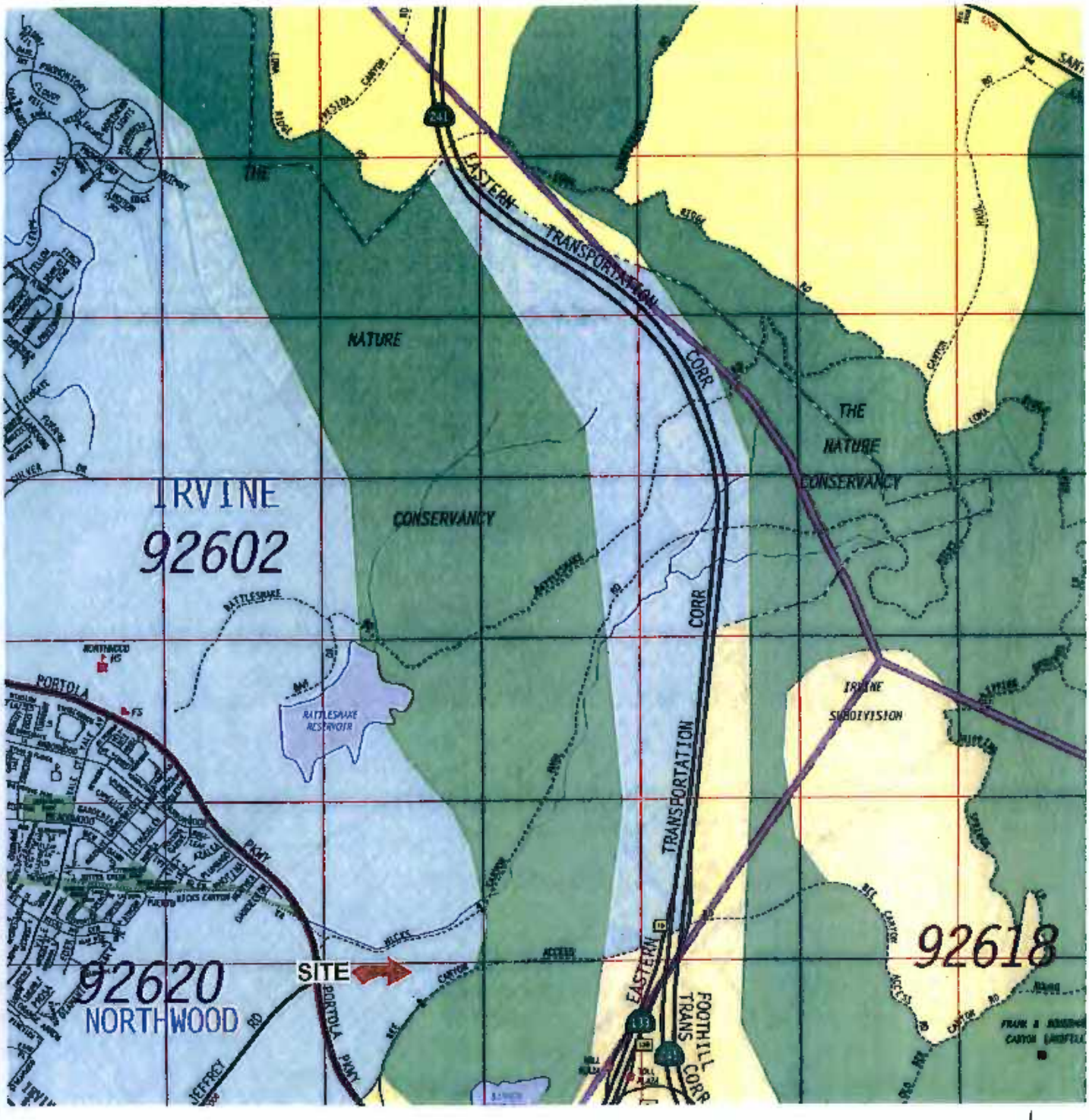
Jonathan L. Buck
California Registered Geologist #7468

Cc: Mr. Luis Lodrigueza, OCHCA



Attachment A

FIGURES



ADVANCED ENVIRONMENTAL CONCEPTS

ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

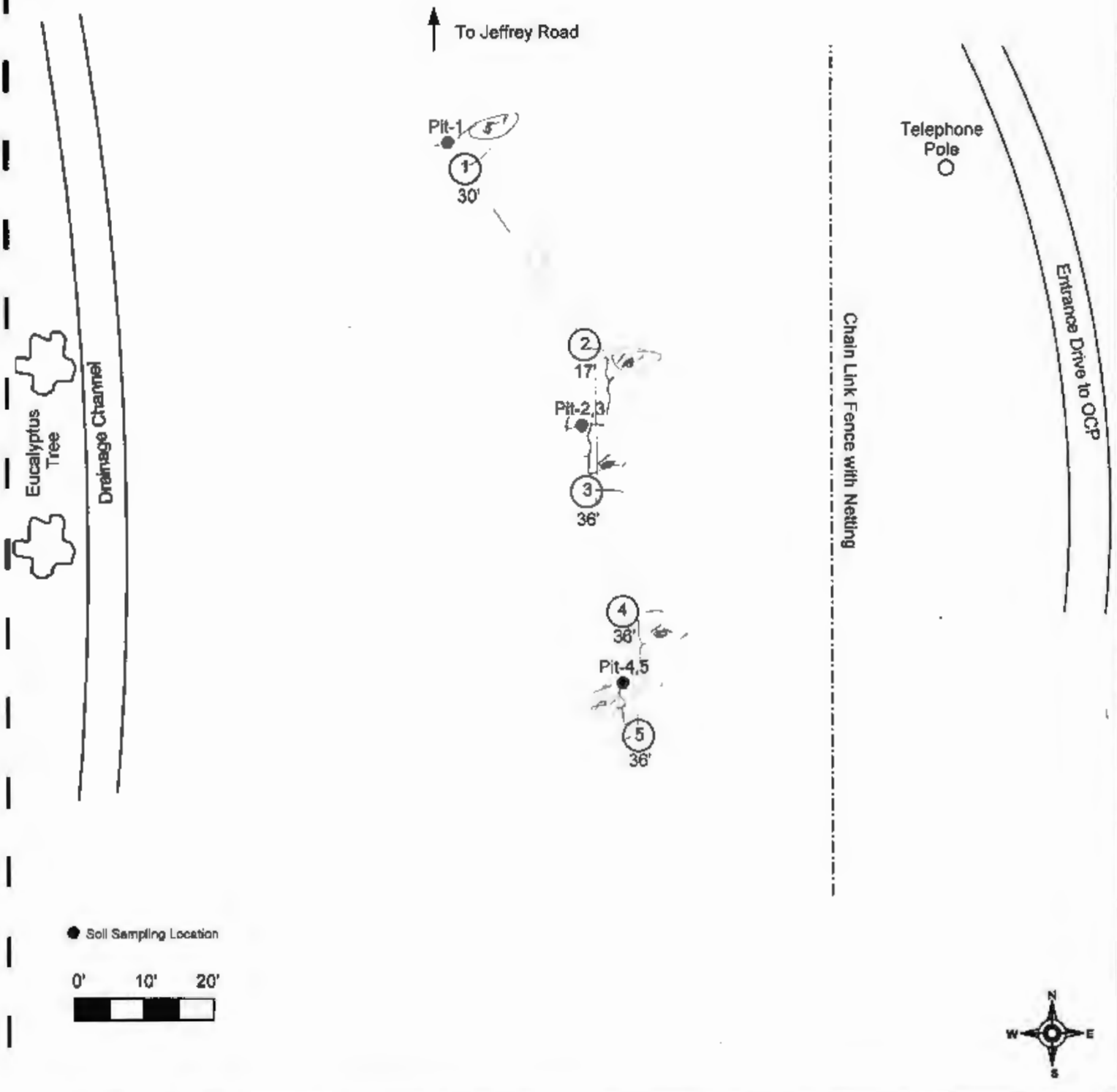
- SITE LOCATION MAP -

Irvine Community Development Company
El Modeno Gardens
11911 Jeffrey Road
County of Orange • Irvine, California

FIGURE

1

8081 Analyzed — Pit 1-35'
Pit 4-5 - 35'



ADVANCED ENVIRONMENTAL CONCEPTS INC
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Septic Pit Boring Locations

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

2

Attachment B

ANALYTICAL RESULTS

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 258193
REPORTED 07/28/2010
RECEIVED 07/16/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1096494	PIT-1-30'
1096495	PIT-1-35'
1096496	PIT-2-3-30'
1096497	PIT-2-3-35'
1096498	PIT-4-5-30'
1096499	PIT-4-5-35'
1096500	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.16	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	76.5	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.211 J	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.433 J	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	7.22	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	2.45	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	2.75	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	2.80	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	2.83	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.515	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	17.6	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	22.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 Client Sample ID: PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 **Client Sample ID:** PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	72	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70	%	30 - 115
8270C	2-Fluorophenol (sur)	74	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	64	%	23 - 120
8270C	Phenol-d5 (sur)	79	%	24 - 113
8270C	Terphenyl-d14 (sur)	95	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 Client Sample ID: PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096494 Client Sample ID: PIT-1-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	106				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						Units	Control Limits
8015	Triacontane (Sur)	73				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	9.11	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	537	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.500	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	20.1	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	8.41	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.72	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.60	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	0.847 J	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	10.8	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	231	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.6	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 Client Sample ID: PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates				Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	72		%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68		%	30 - 115
8270C	2-Fluorophenol (sur)	70		%	25 - 121
8270C	Nitrobenzene-d5 (sur)	59		%	23 - 120
8270C	Phenol-d5 (sur)	73		%	24 - 113
8270C	Terphenyl-d14 (sur)	91		%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 Client Sample ID: PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	100				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	09/04/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	09/04/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	09/04/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	09/04/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	09/04/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	09/04/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	09/04/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	09/04/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	09/04/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	09/04/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	09/04/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	09/04/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	09/04/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	09/04/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	97				%	55 - 135
8081A	TCMX (Sur1)	101				%	50 - 125
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	71				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096495 **Client Sample ID:** PIT-1-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 08:15

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	100				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	108				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	71				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	327	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.833	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.412 J	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	18.5	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	11.9	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	5.43	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	4.18	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	8.87	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	64.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	86.7	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	76	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70	%	30 - 115
8270C	2-Fluorophenol (sur)	75	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	67	%	23 - 120
8270C	Phenol-d5 (sur)	77	%	24 - 113
8270C	Terphenyl-d14 (sur)	93	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096496 **Client Sample ID:** PIT-2-3-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:20

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
8260B	Surr3 - Toluene-d8	99				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	68				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	169	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.367 J	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	9.86	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	4.15	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	3.80	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	3.35	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	3.64	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	0.360 J	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	22.3	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	31.1	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	69				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	68				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	62				%	23 - 120
8270C	Phenol-d5 (sur)	80				%	24 - 113
8270C	Terphenyl-d14 (sur)	96				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096497 **Client Sample ID:** PIT-2-3-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 09:25

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	106				%	70 - 135
8260B	Surr3 - Toluene-d8	98				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	101				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	83				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.08	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	230	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.569	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	25.0	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	5.88	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	11.2	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	7.76	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.9	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	171	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	52.2	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	72				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	69				%	30 - 115
8270C	2-Fluorophenol (sur)	74				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	60				%	23 - 120
8270C	Phenol-d5 (sur)	79				%	24 - 113
8270C	Terphenyl-d14 (sur)	93				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096498 **Client Sample ID:** PIT-4-5-30'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:35

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	108				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
8260B	Surr3 - Toluene-d8	97				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	111				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.0	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	1.62	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Barium	254	1	1.0	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	0.702	1	0.5	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	0.689	1	0.5	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	26.8	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	7.11	1	0.5	0.19	mg/Kg	07/22/10 KN
6010B	Copper	7.36	1	1.0	0.31	mg/Kg	07/22/10 KN
6010B	Lead	5.36	1	0.5	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.0	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	14.3	1	1.5	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.0	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.5	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.0	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	50.2	1	0.5	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	66.9	1	5.0	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/20/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/20/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/20/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/20/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/20/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/20/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/20/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/20/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/20/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/20/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/20/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/20/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/20/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/20/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/20/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/20/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/20/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/20/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/20/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/20/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/20/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/20/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/20/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	bis(2-Ethylhexyl)phthalate	2300 (2.3 mg/kg)	1	300	109	ug/Kg	07/20/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/20/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/20/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/20/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/20/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/20/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/20/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/20/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/20/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/20/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/20/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/20/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/20/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/20/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/20/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/20/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/20/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/20/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/20/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/20/10 SD

RSL_r : 5.7 mg/kg
RSL_c : 1.20 mg/kg

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 Client Sample ID: PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/20/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/20/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/20/10 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	87				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	83				%	30 - 115
8270C	2-Fluorophenol (sur)	88				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	76				%	23 - 120
8270C	Phenol-d5 (sur)	89				%	24 - 113
8270C	Terphenyl-d14 (sur)	94				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/22/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/22/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/22/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/22/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/22/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/22/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/22/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/22/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/22/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/22/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/22/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/22/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/22/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/22/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/22/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/22/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/22/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/22/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/22/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/22/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/22/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/22/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/22/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/22/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/22/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/22/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/22/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/22/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	93				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	09/04/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	09/04/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	09/04/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	09/04/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	09/04/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	09/04/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	09/04/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	09/04/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	09/04/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	09/04/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	09/04/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	09/04/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	09/04/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	09/04/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	09/04/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	09/04/10 GH
Surrogates						**Units**	**Control Limits**
8081A	DCB(Sur2)	94				%	55 - 135
8081A	TCMX (Sur1)	108				%	50 - 125
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	60				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096499 **Client Sample ID:** PIT-4-5-35'

Matrix: SOLID

Date Sampled: 07/16/2010
Time Sampled: 10:40

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	93				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	100				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	60				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Antimony	ND	1	3.00	0.37	mg/Kg	07/22/10 KN
6010B	Arsenic	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Barium	ND	1	1.00	0.23	mg/Kg	07/22/10 KN
6010B	Beryllium	ND	1	0.50	0.17	mg/Kg	07/22/10 KN
6010B	Cadmium	ND	1	0.50	0.21	mg/Kg	07/22/10 KN
6010B	Chromium	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Cobalt	ND	1	0.50	0.19	mg/Kg	07/22/10 KN
6010B	Copper	ND	1	1.00	0.31	mg/Kg	07/22/10 KN
6010B	Lead	ND	1	0.50	0.32	mg/Kg	07/22/10 KN
6010B	Molybdenum	ND	1	1.00	0.13	mg/Kg	07/22/10 KN
6010B	Nickel	ND	1	1.50	0.20	mg/Kg	07/22/10 KN
6010B	Selenium	ND	1	1.00	0.72	mg/Kg	07/22/10 KN
6010B	Silver	ND	1	0.50	0.13	mg/Kg	07/22/10 KN
6010B	Thallium	ND	1	1.00	0.36	mg/Kg	07/22/10 KN
6010B	Vanadium	ND	1	0.50	0.37	mg/Kg	07/22/10 KN
6010B	Zinc	ND	1	5.00	0.28	mg/Kg	07/22/10 KN
7471A	Mercury	ND	1	0.14	0.02	mg/Kg	07/23/10 NF
8270C	1,2,4-Trichlorobenzene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	1,2-Dichlorobenzene	ND	1	300	64	ug/Kg	07/19/10 SD
8270C	1,3-Dichlorobenzene	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	1,4-Dichlorobenzene	ND	1	300	61	ug/Kg	07/19/10 SD
8270C	2,4,5-Trichlorophenol	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	2,4,6-Trichlorophenol	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,4-Dichlorophenol	ND	1	300	81	ug/Kg	07/19/10 SD
8270C	2,4-Dimethylphenol	ND	1	300	217	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrophenol	ND	1	300	32	ug/Kg	07/19/10 SD
8270C	2,4-Dinitrotoluene	ND	1	300	66	ug/Kg	07/19/10 SD
8270C	2,6-Dinitrotoluene	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	2-Chloronaphthalene	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	2-Chlorophenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	2-Methylnaphthalene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	2-Methylphenol	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	2-Nitroaniline	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	2-Nitrophenol	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	3,3-Dichlorobenzidine	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	3-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	3-Nitroaniline	ND	1	300	116	ug/Kg	07/19/10 SD
8270C	4,6-Dinitro-2-methylphenol	ND	1	300	61	ug/Kg	07/19/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 Client Sample ID: Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	4-Bromophenyl-phenylether	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	4-Chloro-3-methylphenol	ND	1	300	63	ug/Kg	07/19/10 SD
8270C	4-Chloroaniline	ND	1	300	68	ug/Kg	07/19/10 SD
8270C	4-Chlorophenyl-phenylether	ND	1	300	76	ug/Kg	07/19/10 SD
8270C	4-Methylphenol	ND	1	500	194	ug/Kg	07/19/10 SD
8270C	4-Nitroaniline	ND	1	300	146	ug/Kg	07/19/10 SD
8270C	4-Nitrophenol	ND	1	300	98	ug/Kg	07/19/10 SD
8270C	Acenaphthene	ND	1	300	79	ug/Kg	07/19/10 SD
8270C	Acenaphthylene	ND	1	300	83	ug/Kg	07/19/10 SD
8270C	Anthracene	ND	1	300	55	ug/Kg	07/19/10 SD
8270C	Benzidine	ND	1	1500	686	ug/Kg	07/19/10 SD
8270C	Benzo(a)anthracene	ND	1	300	52	ug/Kg	07/19/10 SD
8270C	Benzo(a)pyrene	ND	1	300	117	ug/Kg	07/19/10 SD
8270C	Benzo(b)fluoranthene	ND	1	300	136	ug/Kg	07/19/10 SD
8270C	Benzo(g,h,i)perylene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Benzo(k)fluoranthene	ND	1	300	110	ug/Kg	07/19/10 SD
8270C	Benzoic Acid	ND	1	300	300	ug/Kg	07/19/10 SD
8270C	Benzyl alcohol	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethoxy)methane	ND	1	300	80	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroethyl)ether	ND	1	300	71	ug/Kg	07/19/10 SD
8270C	bis(2-Chloroisopropyl) ether	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	1	300	109	ug/Kg	07/19/10 SD
8270C	Butylbenzylphthalate	ND	1	300	82	ug/Kg	07/19/10 SD
8270C	Chrysene	ND	1	300	48	ug/Kg	07/19/10 SD
8270C	Di-n-butylphthalate	ND	1	300	145	ug/Kg	07/19/10 SD
8270C	Di-n-octylphthalate	ND	1	300	101	ug/Kg	07/19/10 SD
8270C	Dibenz(a,h)anthracene	ND	1	300	78	ug/Kg	07/19/10 SD
8270C	Dibenzofuran	ND	1	300	77	ug/Kg	07/19/10 SD
8270C	Diethylphthalate	ND	1	300	69	ug/Kg	07/19/10 SD
8270C	Dimethylphthalate	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Fluoranthene	ND	1	300	54	ug/Kg	07/19/10 SD
8270C	Fluorene	ND	1	300	70	ug/Kg	07/19/10 SD
8270C	Hexachlorobenzene	ND	1	300	73	ug/Kg	07/19/10 SD
8270C	Hexachlorobutadiene	ND	1	300	62	ug/Kg	07/19/10 SD
8270C	Hexachlorocyclopentadiene	ND	1	300	75	ug/Kg	07/19/10 SD
8270C	Hexachloroethane	ND	1	300	67	ug/Kg	07/19/10 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	1	300	112	ug/Kg	07/19/10 SD
8270C	Isophorone	ND	1	300	90	ug/Kg	07/19/10 SD
8270C	N-Nitroso-di-n-propylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	N-Nitrosodiphenylamine	ND	1	300	86	ug/Kg	07/19/10 SD
8270C	Naphthalene	ND	1	300	58	ug/Kg	07/19/10 SD
8270C	Nitrobenzene	ND	1	300	115	ug/Kg	07/19/10 SD
8270C	Pentachlorophenol	ND	1	300	47	ug/Kg	07/19/10 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Phenanthrene	ND	1	300	49	ug/Kg	07/19/10 SD
8270C	Phenol	ND	1	300	65	ug/Kg	07/19/10 SD
8270C	Pyrene	ND	1	300	80	ug/Kg	07/19/10 SD
Surrogates						Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	67				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	84				%	30 - 115
8270C	2-Fluorophenol (sur)	96				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	85				%	23 - 120
8270C	Phenol-d5 (sur)	94				%	24 - 113
8270C	Terphenyl-d14 (sur)	99				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	07/21/10 NZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	07/21/10 NZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	07/21/10 NZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	07/21/10 NZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	07/21/10 NZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Acetone	ND	1	50	10	ug/Kg	07/21/10 NZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	07/21/10 NZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Di-isopropyl ether (DIPE)	ND	1	2.0	0.17	ug/Kg	07/21/10 NZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	2.0	0.25	ug/Kg	07/21/10 NZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	07/21/10 NZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	m and p-Xylene	ND	1	5	0.38	ug/Kg	07/21/10 NZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	07/21/10 NZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	07/21/10 NZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	07/21/10 NZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	07/21/10 NZ
8260B	o-Xylene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	07/21/10 NZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	07/21/10 NZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	07/21/10 NZ
8260B	Tert-amylmethylether (TAME)	ND	1	2.0	0.13	ug/Kg	07/21/10 NZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	07/21/10 NZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	8.8	ug/Kg	07/21/10 NZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	07/21/10 NZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	07/21/10 NZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	07/21/10 NZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	07/21/10 NZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	07/21/10 NZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	07/21/10 NZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	07/21/10 NZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1096500 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	104				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
8260B	Surr3 - Toluene-d8	102				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015	C06 - C10	ND	1	3	1.4	mg/Kg	07/20/10 AF
8015	C10 - C22	ND	1	3	0.37	mg/Kg	07/20/10 AF
8015	C22 - C36	ND	1	5	1.6	mg/Kg	07/20/10 AF
Surrogates						**Units**	**Control Limits**
8015	Triacontane (Sur)	76				%	60 - 140

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

258193

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: 7/16/10

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓

CONTAINER IN GOOD CONDITION: ✓

DATE ANALYSIS COMPLETED: 7/23/10

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: El Modena Garden
Jeffrey Rd, Irvine

DATE OF COLLECTION: 7/16/2010

SAMPLE COLLECTOR/COMPANY: ACC/JDK Drilling
Jon Buck

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
PIT-1-30'	EPA Methods 8015M;	Septic tank pits 30-35 ft bgs; Brick-	8:10 AM
PIT-1-35'	8260B; 6010B; 8270 —	vaulted-unused for 21 decades	8:15 AM
PIT-2-3-30'	all samples -		9:30
PIT-2-3-35'			9:35
PIT-4,5-30'			10:35
PIT-4,5-35'			10:40

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PHS/HCA-EH	7/16/10 7:15 -
2.		ACC	7/16/10 - 1040
3.	FRANCISCO	ASSOC LAB	7-20-10 - 2:45
4.		Associated Lab.	7/16/10 - 16:50
5.			-
6.			-

#2

F272-9.1531.1(REV.09) (CRS)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: AEC
Date Received: 7/16/10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project:
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: x Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other
Cooler or box temperature: 4c

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	x		
Is it properly completed? (IDs, sampling date and time, signature, test)	x		
Were custody seals present?	x	**	
If Yes – were they intact?	x		
Were all samples sealed in plastic bags?			x
Did all samples arrive intact? If no, indicate below.	x		
Did all bottle labels agree with COC? (ID, dates and times)	x		
Were correct containers used for the tests required?	x		
Was a sufficient amount of sample sent for tests indicated?	x		
Was there headspace in VOA vials?			x
Were the containers labeled with correct preservatives?			x
Was total residual chlorine measured (Fish Bioassay samples only)? *			x

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: Mulahoney Date: 7/16/10

Attachment C

BORING LOGS

WELL CONSTRUCTION	PID	SAMPLE BLOW COUNT	SAMPLE DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
		5	30				Sand (SP): Gray, loosely consolidated, fine-grained, moderately to very moist, slight septic odor.
		5					
		8					
		6	35				
		6					Silt (SM): Gray, moderately compact, clayey in part, moderately moist, slight septic odor.
		8					
		6	40				
		8					Silt (SM): Gray, moderately compact, stiff, clayey in part, moderately moist, slight septic odor.
		14					
		8	45				
		13					Sand (SP): Gray, loosely consolidated, fine-grained, some medium, moderately moist, slight septic odor.
		45					
			50				
			55				
			60				
			65				
			70				

AEC *Advanced Environmental Concepts, Inc.*
220 E. Traxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT El Modano Nursery Location 11911 Jeffrey Road, Irvine, California

Well/Boring No.	Pit-1	Surface Elevation		Wellhead Elevation			
Date Drilled	7/16/2010	Logged By	Jon Buck	Reviewed By			
Drilling Company	JDK Drilling	Driller		Method	Hollow-Stem		
Bore Hole Diameter	8"	Total Depth	45'	Depth to Water		Static	
Casing Type		Diameter		Schedule		Interval	To
Screen Type		Diameter		Slot Size		Interval	To
Filter Pack Type						Interval	To
Seal Type	Bentonite					Interval 45'	To 40'
Surface Seal Type	NA					Interval	To

Notes

WELL CONSTRUCTION	PID	BLOW COUNT	DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			30				Sand (SP): Gray, loosely consolidated, fine-grained, moderately dense, moderately moist, slight septic odor.
		5					
		8					
		13					
		8	35				Sand (SM): Gray, moderately consolidated, compact, stiff, silty/clayey in part, moderately moist, slight septic odor.
		8					
		14					
		5	40				Sand (SM): Gray, moderately consolidated, compact, stiff, fine-grained sand, silty/clayey in part, moderately moist, slight septic odor.
		9					
		12					
		7	45				Sand (SM): Gray, moderately consolidated, compact, stiff, fine-grained, silty/clayey in part, moderately moist, slight septic odor.
		10					
		11					
			50				
			55				
			60				
			65				
			70				

AEC *Advanced Environmental Concepts, Inc.*
220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT El Modeno Nursery Location 11911 Jeffrey Road, Irvine, California

Well/Boring No. Pit-2,3 Surface Elevation _____ Wellhead Elevation _____
Date Drilled 7/16/2010 Logged By Jon Buck Reviewed By _____
Drilling Company JDK Drilling Driller _____ Method Hollow-Stem
Bore Hole Diameter 8" Total Depth 45' Depth to Water _____ Static _____
Casing Type _____ Diameter _____ Schedule _____ Interval _____ To _____
Screen Type _____ Diameter _____ Slot Size _____ Interval _____ To _____
Filter Pack Type _____ Interval _____ To _____
Seal Type Bentonite Interval 45' To 40'
Surface Seal Type NA Interval _____ To _____
Notes _____

WELL CONSTRUCTION	PID	SAMPLE BLOW COUNT	SAMPLE DEPTH (FEET)	SAMPLE INTERVAL	SAMPLE NUMBER	USCS DESIGN	SOIL DESCRIPTION
			30				Silt (ML): Gray, moderately dense, compact, stiff, clayey in part, slightly sandy, slightly moist, slight septic odor.
		7					
		11					
		13					
			35				Sand (SM): Gray, moderately dense, compact, moderately stiff, silty in part, slightly moist, very slight septic odor.
		6					
		8					
		14					
			40				Sand (SM): Light gray, moderately dense, compact, slightly stiff, silty in part, slightly moist, very slight septic odor.
		7					
		12					
		15					
			45				Sand (SP): Light gray, moderately dense, compact, slightly stiff, some silt, fine-grained sand, slightly moist, very slight septic odor.
		12					
		17					
		30					
			50				
			55				
			60				
			65				
			70				

AEC

Advanced Environmental Concepts, Inc.
220 E. Truxtun Ave., Bakersfield, CA 93305

WELL/BORING LOG

PROJECT El Modeno Nursery Location 11911 Jeffrey Road, Irvine, California

Well/Boring No. Pit-4,5 Surface Elevation _____ Wellhead Elevation _____

Date Drilled 7/16/2010 Logged By Jon Buck Reviewed By _____

Drilling Company JDK Drilling Driller _____ Method Hollow-Stem

Bore Hole Diameter 8" Total Depth 45' Depth to Water _____ Static _____

Casing Type	_____	Diameter	_____	Schedule	_____	Interval _____	To _____
Screen Type	_____	Diameter	_____	Slot Size	_____	Interval _____	To _____
Filter Pack Type	_____					Interval _____	To _____
Seal Type	Bentonite					Interval 45'	To 40'
Surface Seal Type	NA					Interval _____	To _____

Notes _____

Attachment D

NMG GEOTECHNICAL RECOMMENDATION

NMG
Geotechnical, Inc.

August 11, 2010

Project No. 10161-01

To: Mr. Peter Changala
The Irvine Company – Agriculture Division
550 Newport Center Drive
Newport Beach, California 92660

Subject: Geotechnical Recommendations for Mitigation of Dry Well Septic Pits within El Modeno Nursery, 11911 Jeffrey Road, Irvine, California

Reference: Advanced Environmental Concepts, Inc., AEC, 2010, Sampling of Five (5) "Dry Well Septic Pits", El Modeno Nursery, 11911 Jeffrey Road, Irvine, California, Dated July 31, 2010.

INTRODUCTION

At your request, NMG Geotechnical, Inc. (NMG) has evaluated the five subject septic pits located at the old El Modeno Nursery at 11911 Jeffrey Road, in order to provide geotechnical recommendations for their abandonment. We have also reviewed the referenced report by Advanced Environmental Concepts, Inc, (AEC). We understand that the subject site is a small part of a future sports park complex located along Jeffrey Road. Our conclusions and recommendations are made with this future site use in mind.

FINDINGS

On August 6, 2010, a NMG engineering geologist observed five trenches measuring approximately 8 feet by 10 feet and 4 to 5 feet deep exposing the septic pits. The pits are located in the vicinity of the Orange County Produce offices. The five septic pits measured approximately 40 inches in diameter and are brick-lined ranging in depth from 15 to 33 feet from existing grade. The upper 4 to 5 feet were removed and gray sands and silts were exposed in side walls of the exploratory trenches. Several 4-inch-diameter plastic pipes were observed connecting the septic pits and pieces of pipe were also within the spoils piles from the trenches. The bottoms of each septic pit were observed to be dry. No data was available regarding the geotechnical nature of the material in the bottom of the pits and exploring the bottoms was not a part of our scope.

CONCLUSIONS AND RECOMMENDATION

Based on our site visit and geologic mapping, we are in general concurrence with the referenced AEC report. In order to reduce the potential for future settlement over the pits, we recommend backfilling the septic pits with 1-sack sand-cement slurry to 4 feet below the existing ground surface. The cement slurry should mushroom at the top to completely cover the septic pits. This method of abandonment is a typical local practice and has been used successfully to reduce the potential for large settlements over similar pits.

The exploratory trenches should be backfilled with mechanically compacted fill or the 1-sack slurry. Onsite native soil may be used for fill. Since we expect the site will require remedial grading for the future park under the purview of a geotechnical engineer, observation and testing of the trench backfill is not considered necessary.

After backfilling, each of the septic pits should be surveyed and this data along with this report should be provided to the future geotechnical consultant working with the park designers. Though we expect them to be little to none, potential impacts of the abandoned septic pits to future development should be considered by the geotechnical consultant at that time.

Environmental issues related to the subject septic pits were not reviewed by NMG and is strictly the purview of AEC and others.

If you have any questions regarding this report, please contact the office. We appreciate the opportunity to provide our services.

Respectfully submitted,

NMG GEOTECHNICAL, INC.

Tom Devine, CEG 2236
Associate Geologist

Ted Miyake, RCE 44864
Principal Engineer

TD/TM/er

Distribution: (2) Addressee
(1) Mr. Jon Buck, AEC (via e-mail)

PROFESSIONAL GEOLOGIST
THOMAS R. DEVINE
No. 2236
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
TETSUO TED MIYAKE
No. C 44864
EXP. 3/31/12
CIVIL
STATE OF CALIFORNIA

NMG

CHAIN OF CUSTODY
County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

259045

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: 259045
DATE RECEIVED: 08-04-10
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: yes ✓ COUNTY SEAL(S) INTACT: yes
CONTAINER IN GOOD CONDITION: yes
DATE ANALYSIS COMPLETED: 8-6-10
ANALYST: KD / GH

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: El Modena Garden
Jeffrey Rd, Irvine
DATE OF COLLECTION: 8/4/2010
SAMPLE COLLECTOR/COMPANY: AEL
Jon Buck
TELEPHONE NO.:
HCA REPRESENTATIVE: Luis Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-0.5'-C	EPA Meth 7471 (Pb) only		7:52
TH-6-0.5'-C	EPA Meth 8081		7:59

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PHK/HCA-EH	8/4/10 7:30 -
2.	Jon Buck	AEL	8/4/10 -
3.	M. Eckert	ASL	8/4/10 - 10:20
4.			-
5.			-
6.			-

#2

F272-9.1531.1(8/89)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: El [illegible]
J[illegible] Ct, Tra

DATE OF COLLECTION: 6/4/10

SAMPLE COLLECTOR/COMPANY: AEC
Jo Bud

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Evan Ludington

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-0.5-1	TPH-DRO (FL) only		7:52
TH-4-0.5-1	TPH-DRO only		7:57

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[illegible]	[illegible]	-
2.	Jo Bud	AEC	6/7/10 -
3.			-
4.			-
5.			-
6.			-

#2

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-S.1531.1(R6/89) CRS

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 259045
REPORTED 08/11/2010
RECEIVED 08/04/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1100448	TH-5-0.5'-C
1100449	TH-6-0.5'-C
1100450	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1100448 **Client Sample ID:** TH-5-0.5'-C
Matrix: SOLID
Date Sampled: 08/04/2010

Analyte	Result	DLR	Units	Date/Analyst
6010B ICP CAM Metals Only (W/S/W)				
Lead	10.5	0.5	mg/Kg	08/05/10 KN
8081A - Organochlorine Pesticides by GC				
4,4-DDD	0.005	0.005	mg/Kg	08/06/10 GH
4,4-DDE	ND	0.004	mg/Kg	08/06/10 GH
4,4-DDT	0.083	0.005	mg/Kg	08/06/10 GH
Aldrin	ND	0.004	mg/Kg	08/06/10 GH
Alpha BHC	ND	0.002	mg/Kg	08/06/10 GH
Beta BHC	ND	0.003	mg/Kg	08/06/10 GH
Chlordane	ND	0.025	mg/Kg	08/06/10 GH
Delta BHC	ND	0.005	mg/Kg	08/06/10 GH
Dieldrin	0.008	0.003	mg/Kg	08/06/10 GH
Endosulfan I	ND	0.004	mg/Kg	08/06/10 GH
Endosulfan II	ND	0.004	mg/Kg	08/06/10 GH
Endosulfan sulfate	ND	0.004	mg/Kg	08/06/10 GH
Endrin	ND	0.004	mg/Kg	08/06/10 GH
Endrin Ketone	ND	0.005	mg/Kg	08/06/10 GH
Endrin aldehyde	ND	0.004	mg/Kg	08/06/10 GH
Heptachlor	ND	0.004	mg/Kg	08/06/10 GH
Heptachlor epoxide	ND	0.003	mg/Kg	08/06/10 GH
Lindane	ND	0.003	mg/Kg	08/06/10 GH
Methoxychlor	ND	0.025	mg/Kg	08/06/10 GH
Toxaphene	ND	0.250	mg/Kg	08/06/10 GH

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 1100449 **Client Sample ID:** TH-6-0.5'-C
Matrix: SOLID
Date Sampled: 08/04/2010

Analyte	Result	DLR	Units	Date/Analyst	
6010B ICP CAM Metals Only (W/S/W)					
Lead	5.90	0.5	mg/Kg	08/05/10	KN
8081A - Organochlorine Pesticides by GC					
4,4-DDD	ND	0.005	mg/Kg	08/06/10	GH
4,4-DDE	0.002	0.004	mg/Kg	08/06/10	GH
4,4-DDT	ND	0.005	mg/Kg	08/06/10	GH
Aldrin	ND	0.004	mg/Kg	08/06/10	GH
Alpha BHC	ND	0.002	mg/Kg	08/06/10	GH
Beta BHC	ND	0.003	mg/Kg	08/06/10	GH
Chlordane	ND	0.025	mg/Kg	08/06/10	GH
Delta BHC	ND	0.005	mg/Kg	08/06/10	GH
Dieldrin	ND	0.003	mg/Kg	08/06/10	GH
Endosulfan I	ND	0.004	mg/Kg	08/06/10	GH
Endosulfan II	ND	0.004	mg/Kg	08/06/10	GH
Endosulfan sulfate	ND	0.004	mg/Kg	08/06/10	GH
Endrin	ND	0.004	mg/Kg	08/06/10	GH
Endrin Ketone	ND	0.005	mg/Kg	08/06/10	GH
Endrin aldehyde	ND	0.004	mg/Kg	08/06/10	GH
Heptachlor	ND	0.004	mg/Kg	08/06/10	GH
Heptachlor epoxide	ND	0.003	mg/Kg	08/06/10	GH
Lindane	ND	0.003	mg/Kg	08/06/10	GH
Methoxychlor	ND	0.025	mg/Kg	08/06/10	GH
Toxaphene	ND	0.250	mg/Kg	08/06/10	GH

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Order #: 1100450 **Client Sample ID:** Laboratory Method Blank
Matrix: SOLID

Analyte	Result	DLR	Units	Date/Analyst
6010B ICP CAM Metals Only (W/S/W)				
Lead	ND	0.50	mg/Kg	08/05/10 KN
8081A - Organochlorine Pesticides by GC				
4,4-DDD	ND	0.005	mg/Kg	08/06/10 GH
4,4-DDE	ND	0.004	mg/Kg	08/06/10 GH
4,4-DDT	ND	0.005	mg/Kg	08/06/10 GH
Aldrin	ND	0.004	mg/Kg	08/06/10 GH
Alpha BHC	ND	0.002	mg/Kg	08/06/10 GH
Beta BHC	ND	0.003	mg/Kg	08/06/10 GH
Chlordane	ND	0.025	mg/Kg	08/06/10 GH
Delta BHC	ND	0.005	mg/Kg	08/06/10 GH
Dieldrin	ND	0.003	mg/Kg	08/06/10 GH
Endosulfan I	ND	0.004	mg/Kg	08/06/10 GH
Endosulfan II	ND	0.004	mg/Kg	08/06/10 GH
Endosulfan sulfate	ND	0.004	mg/Kg	08/06/10 GH
Endrin	ND	0.004	mg/Kg	08/06/10 GH
Endrin Ketone	ND	0.005	mg/Kg	08/06/10 GH
Endrin aldehyde	ND	0.004	mg/Kg	08/06/10 GH
Heptachlor	ND	0.004	mg/Kg	08/06/10 GH
Heptachlor epoxide	ND	0.003	mg/Kg	08/06/10 GH
Lindane	ND	0.003	mg/Kg	08/06/10 GH
Methoxychlor	ND	0.025	mg/Kg	08/06/10 GH
Toxaphene	ND	0.250	mg/Kg	08/06/10 GH

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit

Danielle Roberts

From: Lodrigueza, Luis [LLodrigueza@ochca.com]
Sent: Tuesday, August 24, 2010 12:13 PM
To: info@associatedlabs.com
Subject: Laboratory Result

Orange County Health Care Agency-Environmental Health (OCHCA-EH) received the original OCHCA-EH Chain of Custody for the sampling conducted on 08/04/2010 at the El Modeno Gardens site in Irvine (Lab Number 259045).

The attached lab results, however, were for another of your clients (GABCO) (Order Numbers 1100704 through 1100708) that tested for aerobic plate count (yeast and mold-total count).

Please send the analytical result for the OCHCA-EH samples tested for Lead (Pb) and organochlorine pesticides (EPA Test Methods 7471 and 8081, respectively).

Thanks.

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

ADVANCED ENVIRONMENTAL CONCEPTS INC

August 22, 2010

Mr. Peter Changala
The Irvine Community – Agricultural Division
550 Newport Center Drive
Newport Beach, California 92660

RECEIVED HCA
AUG 30 2010
ENVIRONMENTAL HLTH

RE: Additional Confirmation Soil Sampling at El Modeno Gardens
11911 Jeffrey Road
Irvine, California

Dear Mr. Changala;

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following summary letter regarding additional soil sampling and soil disposal at the El Modeno Gardens. This property is north of Portola Parkway and east of Jeffrey Road (Figure 1). The southern half of the El Modeno Gardens property has been used for cultivation of nursery annuals and perennials (generally 1-gallon size) since 1967 and the northern half of the property was converted from permanent plantings of citrus to nursery production during the 1990s. The central and southern thirds of the property are improved with greenhouses and protective netting; the northern third is open air and covered production.

Initial Sample Collection

On January 26, 2010 an AEC geologist collected surface (0.5' bgs) and subsurface (2.5', 10', 15', and 20' bgs) soil samples from nine biased and unbiased locations throughout the property. Biased locations consisted of the former gasoline tank emplacement (TH-G-1); former diesel tank emplacement (TH-D-2); the surface water collection area at the southeast corner of the property (TH-3); the water supply adjacent to the agricultural chemical storage container (TH-4); the interior of the wood-constructed fertilizer storage shed (TH-5); and the northern boundary of the site (TH-9) which is adjacent to the former Orange County Shooting and Training Center rifle and pistol range. The unbiased locations consisted of general areas within the nursery and were identified as TH-6, TH-7, and TH-8.

The soil sampling was conducted using a Geoprobe drilling rig or a hand auger. The hand auger was used due to access limitations, or when it was thought a subsurface irrigation line was proximal to the sampling location.

The initial sampling occurred in the area of the former 1,000-gallon gasoline UST and 6,000-gallon diesel UST. These tanks were removed in September 1998, by AEC, and the sampling beneath the USTs generally indicated non-detectable concentrations for the requested analyte. However, The Irvine Company requested that additional soil sampling be conducted to confirm the prior results. Since the former tank bottoms approximated 10-feet bgs, AEC commenced sample collection at that depth and continued to 20-feet bgs. The soil samples were collected in 3-foot long "macro" acetate sleeves. The soil sample from the required depth was obtained from

220 E. TRUXTUN AVENUE • BAKERSFIELD CA 93305 661/395-1646 • FAX 661/395-1616

the sleeve, capped, taped, and labeled with sample identification and depth of collection. The sample sleeves were recorded on a chain-of-custody, placed in an ice chest, and delivered to Associated Laboratories for analysis TPH-gasoline and diesel, volatile organic compounds (VOCs), and MTBE. The soil samples collected outside of the tank locations were analyzed for chlorinated pesticides by EPA Method 8081A, arsenic, and lead.

Conclusions

The sampling results for the former gasoline and diesel tank emplacements indicate that no residual hydrocarbon concentrations are evident which validate the prior sample collection of September 1998.

The biased soil sampling in the agricultural use areas indicate two areas of concern. The soil sample collected at 0.5-feet bgs (TH-5-0.5') from the hard-packed dirt floor of the very old wood constructed storage shed exhibits extremely elevated concentrations of 4,4-DDT (40 mg/kg) and Toxaphene (21 mg/kg). However, the vertical assessment soil sample (TH-5-2.5') exhibited 0.013 mg/kg of 4,4-DDT and ND<0.250 mg/kg of Toxaphene; both of which are well below their respective California Human Health Screening Level (CHHSL). Also, soil sample TH-5-0.5' exhibited 108 mg/kg of lead, however, the vertical assessment sample TH-5-2.5' exhibited a significant reduction to 4.38 mg/kg. Sample TH-6-0.5' exhibited an elevated concentration of Chlordane at 1.2 mg/kg.

Unbiased soil sample TH-7-0.5'; sited south of the eucalyptus windbreak that separates the former labor camp from the El Modeno Gardens property and adjacent to a north-south trending dirt access road exhibited a Toxaphene concentration of 0.93 mg/kg which exceeded its respective CHHSL of 0.46 mg/kg.

Finally, soil sample TH-9-0.5' exhibited a moderately elevated lead concentration of 68 mg/kg, however, it rapidly attenuated to 4.18 mg/kg at 2.5-feet bgs. This sample was collected down-gradient of the boundary of the pistol range of the former Orange County Shooting and Training Center.

During the removal and disposal process of the OCP-impacted soil confirmation samples were collected and analyzed for OCP's from the area of TH-5 but not from the area of TH-6. In addition, a lead analysis was not run on soil from area near TH-5. Therefore, on August 4, 2010 an AEC geologist returned to the site and collected two confirmation soil samples from initial areas TH-5-0.5' and TH-6-0.5'. These newly collected soil samples were identified as TH-5-0.5'-C and TH-6-0.5'-C. Analytical results for lead from TH-5 indicated 10.5 mg/kg and from TH-6 the lead result was 5.90 mg/kg; both well below the newly promulgated CHSSL of 85 mg/kg. In addition, the Chlordane concentration was ND<0.025 mg/kg for both TH-5-0.5'-C and TH-6-0.5'-C.

Recommendations

The results of this limited confirmation soil sampling of test areas TH-5 and TH-6 at the El Modeno Gardens property indicated no analytical results exceeding CHSSL concentrations for unrestricted development. Therefore, AEC respectfully requests no further investigation be required for the site.

Closing

AEC appreciates the opportunity to prepare this summary for your review. If you should require additional information, please do not hesitate to contact AEC at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
California Registered Geologist #7468

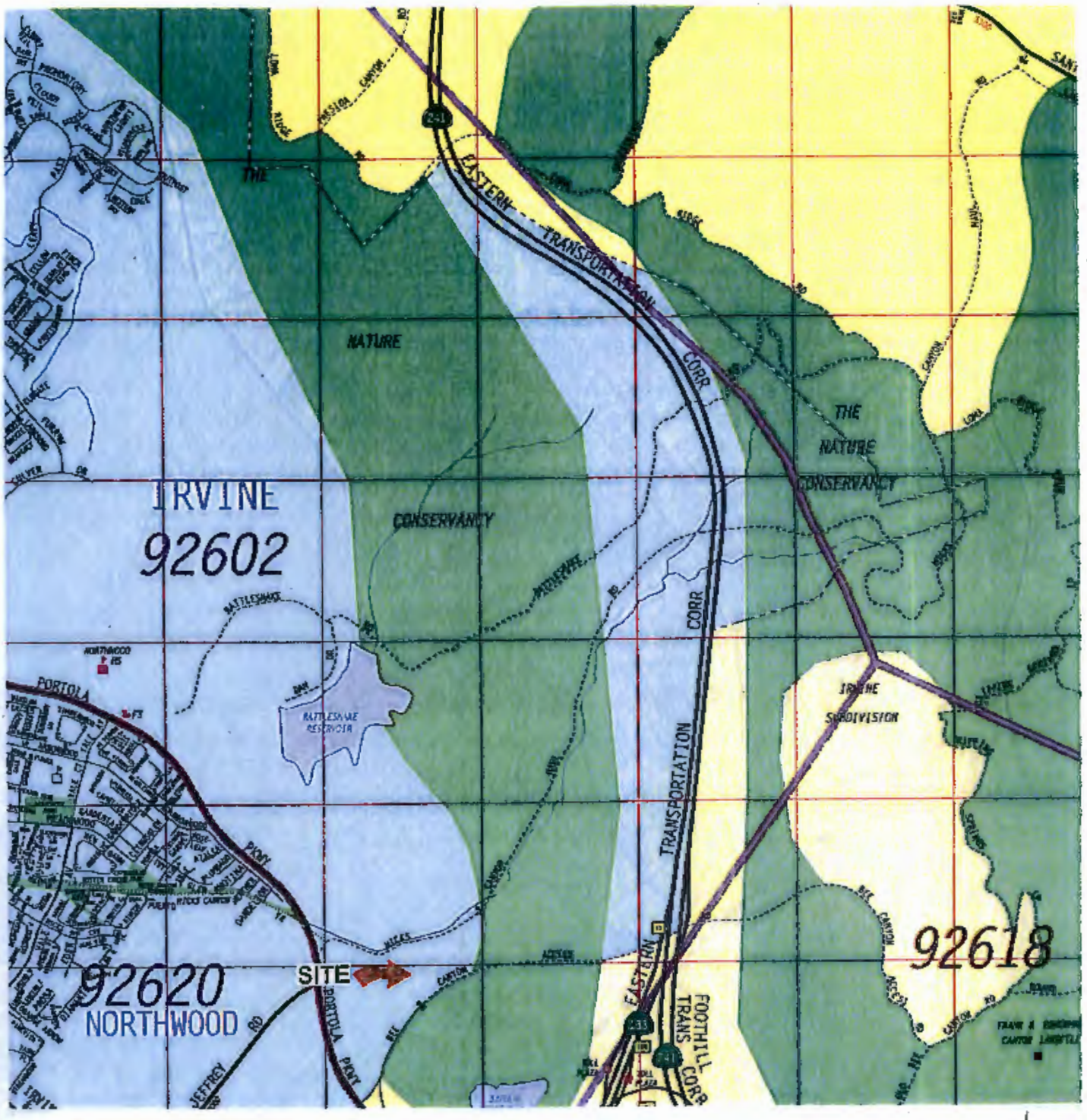
Cc: Mr. Luis Lodrigueza, OCHCA



J-El Modena Confirmation

Attachment A

FIGURES



ADVANCED ENVIRONMENTAL CONCEPTS

ADVANCED ENVIRONMENTAL CONCEPTS
220 E. Truxtun Avenue Bakersfield, CA 93305

- SITE LOCATION MAP -

Irvine Community Development Company
El Modeno Gardens
11911 Jeffrey Road
County of Orange • Irvine, California

FIGURE

1

Attachment B

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Advanced Environmental Concepts Inc. (10022)
ATTN: Jonathan Buck
220 E. Truxtun Ave.
Bakersfield, CA 93305

LAB REQUEST 259045
REPORTED 08/11/2010
RECEIVED 08/04/2010

PROJECT El Modeno Gardens

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1100448	TH-5-0.5'-C
1100449	TH-6-0.5'-C
1100450	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward A. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1100448 **Client Sample ID:** TH-5-0.5'-C

Matrix: SOLID

Date Sampled: 08/04/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Lead	10.5	1	0.5	0.32	mg/Kg	08/05/10 KN
8081A	4,4-DDD	0.005	1	0.005	0.0008	mg/Kg	08/06/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	4,4-DDT	0.083	1	0.005	0.0007	mg/Kg	08/06/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	08/06/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	08/06/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	08/06/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	08/06/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	08/06/10 GH
8081A	Dieldrin	0.008	1	0.003	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	08/06/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	08/06/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	08/06/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	08/06/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	08/06/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	08/06/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	08/06/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	94	%	55 - 135
8081A	TCMX (Sur1)	103	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1100449 **Client Sample ID:** TH-6-0.5'-C

Matrix: SOLID

Date Sampled: 08/04/2010

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Lead	5.90	1	0.5	0.32	mg/Kg	08/05/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	08/06/10 GH
8081A	4,4-DDE	0.002 J	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	08/06/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	08/06/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	08/06/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	08/06/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	08/06/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	08/06/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	08/06/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	08/06/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	08/06/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	08/06/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	08/06/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	08/06/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	08/06/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	84	%	55 - 135
8081A	TCMX (Sur1)	100	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 1100450 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
6010B	Lead	ND	1	0.50	0.32	mg/Kg	08/05/10 KN
8081A	4,4-DDD	ND	1	0.005	0.0008	mg/Kg	08/06/10 GH
8081A	4,4-DDE	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	4,4-DDT	ND	1	0.005	0.0007	mg/Kg	08/06/10 GH
8081A	Aldrin	ND	1	0.004	0.0004	mg/Kg	08/06/10 GH
8081A	Alpha BHC	ND	1	0.002	0.0004	mg/Kg	08/06/10 GH
8081A	Beta BHC	ND	1	0.003	0.0013	mg/Kg	08/06/10 GH
8081A	Chlordane	ND	1	0.025	0.0005	mg/Kg	08/06/10 GH
8081A	Delta BHC	ND	1	0.005	0.0005	mg/Kg	08/06/10 GH
8081A	Dieldrin	ND	1	0.003	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan I	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Endosulfan II	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endosulfan sulfate	ND	1	0.004	0.0012	mg/Kg	08/06/10 GH
8081A	Endrin	ND	1	0.004	0.0009	mg/Kg	08/06/10 GH
8081A	Endrin aldehyde	ND	1	0.004	0.0011	mg/Kg	08/06/10 GH
8081A	Endrin Ketone	ND	1	0.005	0.002	mg/Kg	08/06/10 GH
8081A	Heptachlor	ND	1	0.004	0.0007	mg/Kg	08/06/10 GH
8081A	Heptachlor epoxide	ND	1	0.003	0.0005	mg/Kg	08/06/10 GH
8081A	Lindane	ND	1	0.003	0.0004	mg/Kg	08/06/10 GH
8081A	Methoxychlor	ND	1	0.025	0.004	mg/Kg	08/06/10 GH
8081A	Toxaphene	ND	1	0.250	0.076	mg/Kg	08/06/10 GH

Surrogates			Units	Control Limits
8081A	DCB(Sur2)	95	%	55 - 135
8081A	TCMX (Sur1)	100	%	50 - 125

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

259045

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: 08-04-10

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: yes ✓ COUNTY SEAL(S) INTACT: yes

CONTAINER IN GOOD CONDITION: yes

DATE ANALYSIS COMPLETED: 8-6-10

ANALYST: KN / GH

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: El Modena Garage
Jeffrey Rd, Irvine

DATE OF COLLECTION: 8/4/2010

SAMPLE COLLECTOR/COMPANY: AEL
Jon Bush

TELEPHONE NO.: _____

HCA REPRESENTATIVE: Lucio Rodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
TH-5-0.5'-C	EPA Meth 7471 (Pb) only		7:52
TH-6-0.5'-C	EPA Meth 8081		7:57

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		PNK/HCA-EH	8/4/10 7:30 -
2.	Jon Bush	AEL	8/4/10 -
3.	M. Eckert	ASL	8/4/10 - 10:20
4.			-
5.			-
6.			-

#2

F272-9.1531.1(RB/99)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 10IC003

RO # 3542

CASE ACTIVITY LOG

COMPANY NAME/DBA: El Modena Gardens

ADDRESS: 11911 Jeffrey Road

CITY: Irvine STATE: CA ZIP CODE: 92602

CONTACT: Office Phone: Fax:

Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
9/2/2010	Lodriguez	Flow conceptions - Jan Boyle / Kawanee Saeed (CDPR/DPR) re. pesticide application
9/8/10	Lodriguez	Emailed SOP / analy. info to Kawanee. Requested lab report.
9/13	Lodriguez	Emailed Rick/DPR/Kawanee again re. soil analysis of perimeter. Email response to Jon's query. Scanned pict w/ emailed to Kawanee. Another email to Jon re-sled. copy of page 4 to Kawanee. Phone call to/from Kawanee/Jon re: site visit
9/14	Lodriguez	Phone convers. w/ Kawanee: emailed photos sent by RCC/Jon. DPR receiving go signal from Kawanee, provided w/ finalizing NOA database.
9/22	Lodriguez	Signed closure letter for Jay. Mgr signature.
9/23	Lodriguez	Mailed out clo. Ltr. Closure packet - closed case!

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 10IC003

RO # 3512

CASE ACTIVITY LOG

COMPANY NAME/DBA: El Moderno Gardens Nursery

ADDRESS: 11911 Jeffrey Road

CITY: Irvine STATE: CA ZIP CODE: 92602

CONTACT: AEC/Jon Buck Office Phone: Fax:

Cell Phone: 661-979-1825 E-mail:

DATE	STAFF	ACTIVITIES
5/13/2010	L. Lodriguez	Requested by AEC, TIC's consultant, site visit, meeting was set Friday, May 14, 2010, on condition that TIC will accept charge for septic prior to formal opening up of Vol. IC case. Copied case files, Emails AEC re: site meeting. Reviewed report by AEC (Feb. 28/10).
5/14/10	Lodriguez	Continued report review... At site w/Jon Buck/AEC - discussed earlier sampling/excavation activities. Went on to conduct verification sampling of two excavated areas.
5/17	Lodriguez	Prepared/mailed LOR (AS requested) letter; RAA Notification. Revisited sampling locations to determine adequacy of the verif. sampling conducted on 5/14/10. Prepared Email requesting add'l sampling & sent to AEC.
5/27	Lodriguez	At site w/AEC/Jon Buck and collected additional verif. samples. Reviewed sampling results of 5/14/10 sampling - all results ok.
7/7	Lodriguez	Emails AEC/Jon Buck - status of report.
7/12	Lodriguez	Report review. Talked to Jon Buck re: septic pit(s) to be abandoned/opened - Irvine Co. wants closure documentation.
7/14	Lodriguez	Review of sampling WP for 5 septic pits. Prepared emailed comments/revisions to proposed sampling. approved revised WP. Review of Kleinfelder excav. report (6/7/2010) -
7/16	Lodriguez	At site for sampling of 5 septic pits. Care was prevailed during as close to pits as would, but loose stacking of bricks would allow for further boring locations.
7/27	Lodriguez	Started NFA rationale - pended. If toxaphene/DDT contamination
7/28-29	Lodriguez	NFA rationale continued.
7/30	Lodriguez	NFA rationale cont'd - including septic pits (pail of NFAR).
8/2	Lodriguez	Continued NFA/all preparation. Phone conversation w/Jon Buck re: revised RWQ 976 excavation limits. Emailed Jon re: list, chlordane concerns - 3 sample locations,
8/4	Lodriguez	At site for additional sampling w/AEC/Jon Buck. Received
8/25	Lodriguez	Updated NFA pail for TH-5 & TH-9 w/ Excavex. ~~Emailed~~ ~~Jon~~ report ~~Septic pits report sampling~~. Continued NFA not to include septic pits. ~~Etc~~
8/26	Lodriguez	finalized NFA pail - sent to RWQCB/Kamron Vaziri

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

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DAVID L. RILEY
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DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
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ENVIRONMENTAL HEALTH

MAILING ADDRESS
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SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

HAZARDOUS MATERIALS MITIGATION SECTION

REQUEST FOR REMEDIAL ACTION SUPERVISION

A. Site Name: El Modena Gardens Nursery

Site Address: 11911 (Street) Jeffrey Rd. (Suite) Irvine (City) 92760 (Zip Code)

Site Owner: Irvine Company Telephone: (949) 936-8092

Site Owner's Mailing Address: 11501 (Street) Jeffrey Rd. (Suite) Irvine (City) 92602 (Zip Code)

B. Person or Entity Responsible for Cleanup: El Modena Gardens Inc / Advanced Environ Concepts

Mailing Address: (Street) (Suite) (City) (Zip Code)

Contact Person: Robert Groot-Env-6 / Jon Buck AEC Telephone: (661) 979-1828

C. Application Submitted by: Irvine Company

Name of Company or Person: Peter Changala

Mailing Address: 11501 (Street) Jeffrey Rd (Suite) Irvine (City) Ca. (State) 92602 (Zip Code)

Contact Person: Peter Changala Telephone: (949) 936-9092

I have read the remedial action agreement conditions listed on page 2 of this application. As provided in Section 101480(b), Article 5, Chapter 4, Division 101 of the California Health and Safety Code, I request that Orange County Health Care Agency, Environmental Health provide remedial action supervision at the site named in Section A above. Where not the responsible party, I have been authorized to act on behalf of the responsible party. I understand that charges payable by the responsible party or the authorized representative will be incurred for the time spent by Orange County Health Care Agency's staff for cleanup oversight activities.

Peter Changala
Name of Responsible Party/Authorized Representative (Please Print)

Signature of Responsible Party/Authorized Representative Date

Send billing invoices to: Name: Irvine Company

Address: 11501 (Street) Jeffrey Rd (Suite) Irvine (City) 92602 (Zip Code)

RECEIVED HCA/RH
MAY 17 2010
ENVIRONMENTAL HLT.

Site Information :

- Is this site any of the following: listed on the Department of Toxic Substances Control's (DTSC) Calsites list; the subject of a cleanup order or enforceable agreement issued by DTSC; the subject of a remedial action initiated by DTSC; the subject of a corrective action order issued by DTSC; or a facility subject to DTSC hazardous waste treatment facility tiered permitting requirements? yes ☐ no ☑ unknown ☐
- Is this site listed on a Regional Water Quality Control Board's (RWQCB) Leaking Underground Storage Tank Information System (LUSTIS) or Spills, Leaks, Investigation and Cleanup (SLIC) list or the subject of a cleanup and abatement order issued by a RWQCB? yes ☐ no ☑ unknown ☐
- What is the property's current land use zoning designation? Park / Recreation

Agreement Conditions:

- The issuance of a remedial action certification of completion is dependent on adequate completion of acceptable site assessment and remedial activities and attainment of cleanup goals established by Orange County Health Care Agency, Environmental Health (OCHCA) or the appropriate RWQCB.
- Site testing, monitoring and analysis will be required, as necessary, to properly determine the nature and extent of the release. A site assessment plan that shows proposed soil and water sampling and analyses should be submitted to OCHCA for concurrence before implementation. Any remedial action plan should be approved by OCHCA before implementation and work performed must be shown to have been effective in mitigating the actual or potential adverse effects of the release. **OCHCA must be notified at least 48 hours in advance of any site verification of mitigation sampling activity.** Where a remedial action has not been effective, implementation of an alternate effective remedial action is expected.
- Remedial goals will be based on risk assessment considerations that reflect site-specific characteristics and the property's current land use zoning designation. If a land use change is planned or foreseen, OCHCA should be advised.
- OCHCA may, after giving adequate notice, withdraw in whole or part from the supervision of the remedial action should it determine: the responsible party is not in compliance with the remedial action agreement; available staff resources, technical expertise or technical capabilities are not available to adequately supervise the remedial action; the release of the waste that is the subject of the remedial action is of a sufficiently complex nature or may present such a significant potential hazard to human health or the environment that it should be referred to DTSC or a RWQCB; requested site assessment or remedial action plans have not been received in a timely manner; or implementation of approved plans has not occurred in a timely manner.
- Should OCHCA withdraw from the case, in whole or part, OCHCA may refer the case to DTSC or the RWQCB.
- OCHCA may discuss this case with staff at DTSC or the RWQCB at any time in the review process.
- An hourly service fee at Environmental Health's current rate established per resolution of the Orange County Board of Supervisors for work performed by direct oversight staff will be charged. Billings are sent out quarterly and are due within 30 days of receipt of the invoice. A late payment fee of 25% is applicable.
- OCHCA reserves the right to send copies of all correspondence to the property owner and others as appropriate.
- The contact person named in Section C, page 1 will be the point of contact for the responsible party unless OCHCA is otherwise advised.
- Pursuant to California law, all information in the site's cleanup file may be public record subject to disclosure to any member of the public who requests it. If it is necessary to include confidential information in your communications with the County, the County recommends that you clearly and prominently mark the information you believe falls into this category. The County will attempt to notify you if disclosure of such information is requested, in order to give you an opportunity to seek a court order prohibiting disclosure of such information. Due to the short statutory time period for the County's compliance with requests for public records, the County will be able to give you only a short period of time in which to seek a court order before the County will be required to disclose the requested information. Further, it is your responsibility to assert that information you believe is confidential should not be disclosed; the County will not make such a claim for you, but will obey a valid court order obtained by you prohibiting disclosure of such information.

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

DAVID L. RILEY
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
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SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL ehealth@ochca.com

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OCHCA # 10IC003
RO0003542

HAZARDOUS MATERIALS MITIGATION SECTION

REQUEST FOR REMEDIAL ACTION SUPERVISION

A. Site Name El Modeno Gardens Nursery

Site Address 11911 Jeffrey Rd. (Street) (Suite) Irvine (City) 92760 (Zip Code)

Site Owner Irvine Company Telephone (949) 936-8092

Site Owner's Mailing Address 11501 Jeffrey Rd. (Street) (Suite) Irvine (City) 92602 (Zip Code)

B. Person or Entity Responsible for Cleanup El Modeno Gardens Inc/Advanced Envir Concepts

Mailing Address (Street) (Suite) (City) (Zip Code)

Contact Person Robert Groat-Env6/Jon Buck dEC Telephone (661) 979-1828

C. Application Submitted by: Irvine Company

Name of Company or Person: Peter Changala

Mailing Address 11501 Jeffrey Rd (Street) Irvine Ca. (City) 92602 (Zip Code)

Contact Person Peter Changala Telephone (949) 936-9092

I have read the remedial action agreement conditions listed on page 2 of this application. As provided in Section 101480(b), Article 5, Chapter 4, Division 101 of the California Health and Safety Code, I request that Orange County Health Care Agency, Environmental Health provide remedial action supervision at the site named in Section A above. Where not the responsible party, I have been authorized to act on behalf of the responsible party. I understand that charges payable by the responsible party or the authorized representative will be incurred for the time spent by Orange County Health Care Agency's staff for cleanup oversight activities.

Peter Changala LZ0011190
Name of Responsible Party/Authorized Representative (Please Print)

Signature of Responsible Party/Authorized Representative Date

Send billing invoices to: Name Irvine Company

Address 11501 Jeffrey Rd (Street) (Suite) Irvine (City) 92602 (Zip Code)

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

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TELEPHONE: (714) 433-6000
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E-MAIL: ehealth@ochca.com

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September 22, 2010

Peter Changala
Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: **No Further Action Certification**

Re: El Modeno Gardens Nursery
11911 Jeffrey Road
Irvine, CA 92602
OCHCA Case #10IC003

Dear Mr. Changala:

This letter confirms the completion of remedial action at the above-referenced site. With the provision that the information provided 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 confirmation of completion is limited in scope. It is limited to site conditions made known to this Agency under the above-referenced case number. It is based on an evaluation of the health threat presented by the inhalation, ingestion, or dermal absorption of the residual contaminants for a non-residential property use.

The presence of small amounts of the pesticides toxaphene, 4,4-DDE, 4,4-DDT, dieldrin and chlordane, as well as arsenic and lead compounds in the subsurface and the potential for these contaminants to cause groundwater degradation were discussed with Kamron Saremi of the Santa Regional Water Quality Control Board (SARWQCB). SARWQCB staff concurred that the low concentrations of these chemicals do not appear to pose any significant threat to the beneficial use of groundwater within the Orange County Groundwater Management Zone, and that no further action is required for the site 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 that cause or threaten to cause pollution or nuisance, or otherwise pose a threat to water quality or

public health. It is the property owner's responsibility to notify this Agency of any change in land use or future contamination findings.

If you have any questions regarding this matter, please contact Luis Lodrigueza at (714) 433-6253 or Anthony Martinez at (714) 433-6260.

Sincerely,

Larry W. Honeybourne, REHS, M.S.
Program Manager
Hazardous Materials Mitigation
Environmental Health

cc: Kamron Saremi, Santa Ana Regional Water Quality Control Board
Jon Buck, Advanced Environmental Concepts, Inc., 220 E. Truxtun Avenue
Bakersfield, CA 93305

Case Summary/NFA Rationale

OCHCA Case No.: **10IC003**

September 14, 2010

D.B.A.: **El Modeno Gardens**
11911 Jeffrey Road
Irvine, CA 92602

Responsible Party: Peter Changala
The Irvine Community—Agricultural Division

Current Land Use: Agricultural/Nursery
Current Adjacent Land Use: Agricultural/Vacant
Future Land Use: Park

Depth to Groundwater: >125 ft below ground surface (bgs), estimated
Soil Types: Sand to silty sand

BACKGROUND

El Modeno Gardens is located north of Portola Parkway and east of Jeffrey Road in Irvine and has been engaged in the cultivation of nursery annuals and perennials since1967. In the 1990s the northern half of the property, which was used primarily for permanent plantings of citrus, was converted to nursery production. The central part and portion of the southern part of the property are utilized for greenhouse and 'open air' and 'covered' nursery production.

In preparation for the property's transfer to the City of Irvine for conversion to a park, The Irvine Community—Agricultural Division (TIC) retained Advanced Environmental Concepts Inc. (AEC) to conduct an investigation of potential areas of environmental concern and perform necessary remedial measures under oversight from the Orange County Health Care Agency (OCHCA).

SITE INVESTIGATION

Two phases of investigation were conducted at the property—one involving the nursery proper, the other involving five (5) out-of-service septic wells associated with historic septic disposal systems that serviced nursery employees.

Septic Well Assessment. On July 16, 2010 AEC mobilized a drill rig to the northern section of the property, in the vicinity of the Orange County Produce offices, to advance a boring through the center of each of five brick-lined dry wells on site. The dry wells were discovered when 4-inch diameter plastic pipes connecting them were uncovered during routine grading. The actual pits were about 4 ft to 5 ft bgs, measuring 40 inches in diameter and ranging in depth from 15 to 33 ft bgs. The wells aligned nearly north-south and were set 17 ft to 30 ft apart. In view of the unsafe condition encountered, drilling could not be conducted close enough to the 8 ft x 10 ft rectangular pits that were earlier dug out to fully expose the dry wells. The drill holes were therefore located from 5 ft to 10 ft from the dry wells. A total of three drill holes were advanced—one at a distance of 5 ft north of the northernmost well (#1); another midway between two central wells (#s 2 and 3) approximately 10 ft from each; and a third midway between two southernmost wells (#s 4 and 5) 10 ft south of #4 and 8 ft north of #5. Soil samples were collected at depths of 5ft, 10 ft and 15 ft below the measured bottom of each well—corresponding to actual depths of 35 ft, 40 ft and 45 ft bgs. Only the 5-ft samples were analyzed for petroleum hydrocarbons (TPH-carbon chain ID) by EPA Method 8015M, volatile organic compounds (VOCs) by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270), organochlorine pesticides by EPA Method 8081A and Title 22 metals by EPA Methods 6010/7000. The rest of the samples were archived pending result of the 5-ft samples analysis. The laboratory analytical report showed no detection of any TPH or VOCs or pesticides, below background concentrations of metals and only one SVOC, bis(2-ethylhexyl)phthalate, at a concentration of 2.3 mg/kg, which is below the residential RSL[1] of 35 mg/kg.

---

[1] Regional Screening Level, USEPA, December 2009.

In view of the non-detection of any significant soil contamination, no further soil sample analysis was performed. Furthermore, based on the absence of observable evidence of impact in the drill cuttings and the great depth to the water table, AEC conducted no further assessment at or in the vicinity of the septic wells.

Nursery Proper Assessment. Much earlier, at the beginning of the year, AEC conducted a preliminary investigation of several locations within the nursery to pinpoint area that could have been impacted as a result of site operations.

Preliminary Sampling - On January 26, 2010 AEC collected biased and unbiased soil samples within the property at depths of 0.5, 2.5, 10, 15 and 20 feet below ground surface (bgs). Biased locations consisted of the former 1,000-gallon gasoline underground storage tank (UST) and former 6,000-gallon diesel UST location (both USTs were removed in September 1998); the surface water collection area; nearby the agricultural chemical storage container; the interior of the wood-constructed fertilizer storage shed; and the northern boundary of the site—adjacent to a former rifle and pistol range. The unbiased sample locations were random areas within the nursery proper. Soil samples from the former gasoline and diesel tank locations were analyzed for TPH-gas by DHS TPH-gas; for TPH-diesel by EPA Method 8015; and for BTEX/MTBE by EPA Method 8260B. Soil samples collected far from the UST locations were analyzed for chlorinated pesticides by EPA Method 8081A, arsenic and lead by EPA Method 6010B.

Results of the initial sampling showed no detectable concentrations of TPH-gas and TPH-diesel, BTEX or MTBE from depths of 10 ft through 20 ft below ground surface (bgs), which validated the results of the confirmation sampling conducted in September 1998 after the tanks were removed.

Analysis of the biased soil samples collected from non-tank agricultural locations indicated one area of concern: the dirt floor of the wooden fertilizer/chemical storage shed that contained highly elevated concentrations of 4,4-DDT (40 mg/kg), and toxaphene (21 mg/kg) and 108 mg/kg lead (Pb) at a depth of 0.5 ft bgs. The deeper samples (2.5 ft bgs) from this location showed much lower concentrations of 4,4-DDT (0.013 mg/kg), toxaphene (<0.25 mg/kg) and Pb (4.38 mg/kg).

One unbiased soil sample, collected south of the eucalyptus windbreak separating a former labor camp from the El Modeno Gardens property, contained toxaphene at a concentration of 0.93 mg/kg (>0.46 mg/kg, the OEHHA soil screening number for toxaphene) at a depth of 0.5 ft bgs, but was no longer detected at a depth of 2.5 ft bgs. A sample collected at a depth of 0.5 ft bgs from near the boundary of the El Modeno property and the former shooting range showed a slightly elevated lead concentration of 66 mg/kg, which is still below the OEHHA residential soil screening number for lead of 80 mg/kg (revised in 2009 from 150 mg/kg).

Additional Sampling - Two episodes of step-out sampling were conducted by AEC on February 9 and 19, 2010 after which the extent of DDT and toxaphene contamination was fully defined in the two areas of concern, i.e., the former wooden fertilizer shed and near the northern El Modeno property boundary, adjacent to one of the nursery rows later identified as "plant row 976". The approximate area of impact in the former was 35 ft by 70 ft, while that of the latter was 9 ft by 30 ft. With the extent of contamination now fully defined, TIC authorized AEC to manage the removal of contaminated soil from the two areas of concern.

REMEDIAL EXCAVATION

On May11, 2010 AEC supervised the excavation of impacted soil in the wood-constructed storage shed and in the area of "plant row 976" to a depth of 1-1.5 ft bgs. The total amount of contaminated soil removed and stockpiled near each excavation area was 150 tons. AEC later collected confirmation soil samples at the base of each excavation (approximately 1.5 ft bgs) and submitted these for chlorinated pesticides analysis by EPA Method 8081A.

VERIFICATION SAMPLING

TIC made a late decision to involve OCHCA in the closure process and submitted a report on the AEC investigation, remedial excavation and self-conducted confirmation sampling for OCHCA's review. At the completion of OCHCA's review, a voluntary cleanup case was opened for the property. Although the AEC confirmation sampling results showed acceptable residual contaminant concentrations, OCHCA requested a final verification sampling round since OCHCA was not present to witness the AEC sampling.

An initial verification sampling round was conducted on May 14, 2010 during a brief inspection by OCHCA. AEC collected, under OCHCA supervision, five soil samples from the old wooden shed excavation at depths of 1.5 ft (four sample locations) and 3 ft (in one sample location) for EPA Method 8081 analysis. One 1.5-ft soil sample was also collected from the approximate center of the "plant row 976" excavation for the same chlorinated pesticides (EPA Method 8081) analysis. Analytical results showed no detectable (ND) toxaphene for both wooded shed and "plant row 976" excavations and either ND or trace concentrations of DDT (0.004-0.007 mg/kg) and dieldrin (0.003 mg/kg, which is <0.035 mg/kg, the OEHHA residential soil screening number for dieldrin). Review of the sampling results plotted on a map subsequently provided by AEC, however, indicated that there were gaps that required further sampling to confirm that no residual contamination remained onsite. OCHCA therefore requested a second sampling round to fill in the gaps.

On May 27, 2010 AEC again collected additional soil samples under the direction of OCHCA—six from the wooden shed location at a depth of 0.5 ft bgs and two from the "plant row 976" excavation at depths of 0.5 ft and 1 ft bgs. Samples analysis by EPA Method 8081 showed ND toxaphene, ND dieldrin and ND to 0.05 mg/kg DDT and DDE in the wooden shed area and, in the "plant row 976" area, ND to 0.26 mg/kg toxaphene and ND to 0.03 mg/kg 4,4-DDT and ND to 0.053 mg/kg 4,4-DDE. All results were below the residential cleanup goals for the residual contaminants on site.

CONTAMINATED SOIL DISPOSAL

AEC loaded 139 tons of the contaminated soil for disposal at the Waste Management Landfill in Surprise, Arizona under manifest (attached as Appendix C in the AEC June 7, 2010 report) as non-RCRA hazardous waste.

Table 1 – Nature and Degree of Site Contamination

Contaminant	Highest Concentration in Soil (mg/kg)		Cleanup Goal (Residential CHHSL or Background, mg/kg)
	Initial	Final	
Toxaphene	21 (0.5 ft bgs) TH-5 0.41 (0.5 ft bgs) TH-7-W	<0.25 (3 ft bgs) TH-5-CON 0.41 (0.5 ft bgs)TH-7-W	0.46
4,4-DDE	0.9 (0.5 ft bgs) TH-4 0.56 (0.5 ft bgs) TH-5-W-N	0.9 (0.5 ft bgs) TH-4 0.083 (0.5 ft bgs) TH-5-0.5-C <0.004 (0.5 ft bgs) TH-5-W-N-CON-3	1.6
4,4-DDT	40 (0.5 ft bgs) TH-5 0.50 (0.5 ft bgs) TH-5-W-N	0.004 (3 ft bgs) TH-5-CON <0.005 (0.5 ft bgs) TH-5-W-N-CON-3	1.6
Dieldrin	0.069 (0.5 ft bgs) TH-5-W	<0.003 (1.5 ft bgs) TH-5-W-CON	0.035
Chlordane	1.2 (0.5 ft bgs) TH-6	Not Detected (0.5 ft bgs) TH-6 resample	0.43
Arsenic	7.14 (0.5 ft bgs) TH-5 4.94 (0.5 ft bgs) TH-6	Removed - Not Tested 4.94 (0.5 ft bgs) TH-6	Background of 12 for So Cal
Lead	108 (0.5 ft bgs) TH-5 66.5 (0.5 ft bgs) TH-9	10.5 (0.5 ft bgs)TH-5 resample 5.9 (0.5 ft bgs) TH-9 resample	80

CONCLUSION AND RECOMMENDATION

Site soils that were found to be contaminated with toxaphene and dieldrin at concentrations above target cleanup levels were excavated and transported offsite under proper documentation for treatment/recycling. Since no significant contamination remains onsite to pose any threat to human health, the environment or to the beneficial use of water resources within the Orange County Management Zone, it is recommended that no further action be required for this property. Kamron Saremi of the Santa Ana Regional Water Quality Control Board was contacted regarding this and he concurred with no further action at this time.

Luis Lodrigueza
Hazardous Waste Specialist

Anthony Martinez, CEG #2255
Senior Engineering Geologist

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

DAVID L. RILEY
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 EAST DYER ROAD #120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

Excellence
Integrity
Service

September 22, 2010

Peter Changala
Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: **No Further Action Certification**

Re: El Modeno Gardens Nursery
11911 Jeffrey Road
Irvine, CA 92602
OCHCA Case #10IC003

Dear Mr. Changala:

This letter confirms the completion of remedial action at the above-referenced site. With the provision that the information provided 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 confirmation of completion is limited in scope. It is limited to site conditions made known to this Agency under the above-referenced case number. It is based on an evaluation of the health threat presented by the inhalation, ingestion, or dermal absorption of the residual contaminants for a non-residential property use.

The presence of small amounts of the pesticides toxaphene, 4,4-DDE, 4,4-DDT, dieldrin and chlordane, as well as arsenic and lead compounds in the subsurface and the potential for these contaminants to cause groundwater degradation were discussed with Kamron Saremi of the Santa Regional Water Quality Control Board (SARWQCB). SARWQCB staff concurred that the low concentrations of these chemicals do not appear to pose any significant threat to the beneficial use of groundwater within the Orange County Groundwater Management Zone, and that no further action is required for the site 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 that cause or threaten to cause pollution or nuisance, or otherwise pose a threat to water quality or

public health. It is the property owner's responsibility to notify this Agency of any change in land use or future contamination findings.

If you have any questions regarding this matter, please contact Luis Lodrigueza at (714) 433-6253 or Anthony Martinez at (714) 433-6260.

Sincerely,

Larry W. Honeybourne, REHS, M.S.
Program Manager
Hazardous Materials Mitigation
Environmental Health

cc: Kamron Saremi, Santa Ana Regional Water Quality Control Board
Jon Buck, Advanced Environmental Concepts, Inc., 220 E. Truxtun Avenue
Bakersfield, CA 93305

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

DAVID L. RILEY
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 EAST DYER ROAD #120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
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Excellence
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September 22, 2010

Peter Changala
Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: **No Further Action Certification**

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11911 Jeffrey Road
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Sincerely,

Larry W. Honeybourne, REHS, M.S.
Program Manager
Hazardous Materials Mitigation
Environmental Health

cc: Kamron Saremi, Santa Ana Regional Water Quality Control Board
Jon Buck, Advanced Environmental Concepts, Inc., 220 E. Truxtun Avenue
Bakersfield, CA 93305

Case Summary/NFA Rationale

OCHCA Case No.: **10IC003**

September 14, 2010

D.B.A.: **El Modeno Gardens**
11911 Jeffrey Road
Irvine, CA 92602

Responsible Party: Peter Changala
The Irvine Community—Agricultural Division

Current Land Use: Agricultural/Nursery
Current Adjacent Land Use: Agricultural/Vacant
Future Land Use: Park

Depth to Groundwater: >125 ft below ground surface (bgs), estimated
Soil Types: Sand to silty sand

BACKGROUND

El Modeno Gardens is located north of Portola Parkway and east of Jeffrey Road in Irvine and has been engaged in the cultivation of nursery annuals and perennials since1967. In the 1990s the northern half of the property, which was used primarily for permanent plantings of citrus, was converted to nursery production. The central part and portion of the southern part of the property are utilized for greenhouse and 'open air' and 'covered' nursery production.

In preparation for the property's transfer to the City of Irvine for conversion to a park, The Irvine Community—Agricultural Division (TIC) retained Advanced Environmental Concepts Inc. (AEC) to conduct an investigation of potential areas of environmental concern and perform necessary remedial measures under oversight from the Orange County Health Care Agency (OCHCA).

SITE INVESTIGATION

Two phases of investigation were conducted at the property—one involving the nursery proper, the other involving five (5) out-of-service septic wells associated with historic septic disposal systems that serviced nursery employees.

Septic Well Assessment. On July 16, 2010 AEC mobilized a drill rig to the northern section of the property, in the vicinity of the Orange County Produce offices, to advance a boring through the center of each of five brick-lined dry wells on site. The dry wells were discovered when 4-inch diameter plastic pipes connecting them were uncovered during routine grading. The actual pits were about 4 ft to 5 ft bgs, measuring 40 inches in diameter and ranging in depth from 15 to 33 ft bgs. The wells aligned nearly north-south and were set 17 ft to 30 ft apart. In view of the unsafe condition encountered, drilling could not be conducted close enough to the 8 ft x 10 ft rectangular pits that were earlier dug out to fully expose the dry wells. The drill holes were therefore located from 5 ft to 10 ft from the dry wells. A total of three drill holes were advanced—one at a distance of 5 ft north of the northernmost well (#1); another midway between two central wells (#s 2 and 3) approximately 10 ft from each; and a third midway between two southernmost wells (#s 4 and 5) 10 ft south of #4 and 8 ft north of #5. Soil samples were collected at depths of 5ft, 10 ft and 15 ft below the measured bottom of each well—corresponding to actual depths of 35 ft, 40 ft and 45 ft bgs. Only the 5-ft samples were analyzed for petroleum hydrocarbons (TPH-carbon chain ID) by EPA Method 8015M, volatile organic compounds (VOCs) by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270), organochlorine pesticides by EPA Method 8081A and Title 22 metals by EPA Methods 6010/7000. The rest of the samples were archived pending result of the 5-ft samples analysis. The laboratory analytical report showed no detection of any TPH or VOCs or pesticides, below background concentrations of metals and only one SVOC, bis(2-ethylhexyl)phthalate, at a concentration of 2.3 mg/kg, which is below the residential RSL[1] of 35 mg/kg.

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[1] Regional Screening Level, USEPA, December 2009.

In view of the non-detection of any significant soil contamination, no further soil sample analysis was performed. Furthermore, based on the absence of observable evidence of impact in the drill cuttings and the great depth to the water table, AEC conducted no further assessment at or in the vicinity of the septic wells.

Nursery Proper Assessment. Much earlier, at the beginning of the year, AEC conducted a preliminary investigation of several locations within the nursery to pinpoint area that could have been impacted as a result of site operations.

Preliminary Sampling - On January 26, 2010 AEC collected biased and unbiased soil samples within the property at depths of 0.5, 2.5, 10, 15 and 20 feet below ground surface (bgs). Biased locations consisted of the former 1,000-gallon gasoline underground storage tank (UST) and former 6,000-gallon diesel UST location (both USTs were removed in September 1998); the surface water collection area; nearby the agricultural chemical storage container; the interior of the wood-constructed fertilizer storage shed; and the northern boundary of the site—adjacent to a former rifle and pistol range. The unbiased sample locations were random areas within the nursery proper. Soil samples from the former gasoline and diesel tank locations were analyzed for TPH-gas by DHS TPH-gas; for TPH-diesel by EPA Method 8015; and for BTEX/MTBE by EPA Method 8260B. Soil samples collected far from the UST locations were analyzed for chlorinated pesticides by EPA Method 8081A, arsenic and lead by EPA Method 6010B.

Results of the initial sampling showed no detectable concentrations of TPH-gas and TPH-diesel, BTEX or MTBE from depths of 10 ft through 20 ft below ground surface (bgs), which validated the results of the confirmation sampling conducted in September 1998 after the tanks were removed.

Analysis of the biased soil samples collected from non-tank agricultural locations indicated one area of concern: the dirt floor of the wooden fertilizer/chemical storage shed that contained highly elevated concentrations of 4,4-DDT (40 mg/kg), and toxaphene (21 mg/kg) and 108 mg/kg lead (Pb) at a depth of 0.5 ft bgs. The deeper samples (2.5 ft bgs) from this location showed much lower concentrations of 4,4-DDT (0.013 mg/kg), toxaphene (<0.25 mg/kg) and Pb (4.38 mg/kg).

One unbiased soil sample, collected south of the eucalyptus windbreak separating a former labor camp from the El Modeno Gardens property, contained toxaphene at a concentration of 0.93 mg/kg (>0.46 mg/kg, the OEHHA soil screening number for toxaphene) at a depth of 0.5 ft bgs, but was no longer detected at a depth of 2.5 ft bgs. A sample collected at a depth of 0.5 ft bgs from near the boundary of the El Modeno property and the former shooting range showed a slightly elevated lead concentration of 66 mg/kg, which is still below the OEHHA residential soil screening number for lead of 80 mg/kg (revised in 2009 from 150 mg/kg).

Additional Sampling - Two episodes of step-out sampling were conducted by AEC on February 9 and 19, 2010 after which the extent of DDT and toxaphene contamination was fully defined in the two areas of concern, i.e., the former wooden fertilizer shed and near the northern El Modeno property boundary, adjacent to one of the nursery rows later identified as "plant row 976". The approximate area of impact in the former was 35 ft by 70 ft, while that of the latter was 9 ft by 30 ft. With the extent of contamination now fully defined, TIC authorized AEC to manage the removal of contaminated soil from the two areas of concern.

REMEDIAL EXCAVATION

On May11, 2010 AEC supervised the excavation of impacted soil in the wood-constructed storage shed and in the area of "plant row 976" to a depth of 1-1.5 ft bgs. The total amount of contaminated soil removed and stockpiled near each excavation area was 150 tons. AEC later collected confirmation soil samples at the base of each excavation (approximately 1.5 ft bgs) and submitted these for chlorinated pesticides analysis by EPA Method 8081A.

VERIFICATION SAMPLING

TIC made a late decision to involve OCHCA in the closure process and submitted a report on the AEC investigation, remedial excavation and self-conducted confirmation sampling for OCHCA's review. At the completion of OCHCA's review, a voluntary cleanup case was opened for the property. Although the AEC confirmation sampling results showed acceptable residual contaminant concentrations, OCHCA requested a final verification sampling round since OCHCA was not present to witness the AEC sampling.

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On May 27, 2010 AEC again collected additional soil samples under the direction of OCHCA—six from the wooden shed location at a depth of 0.5 ft bgs and two from the "plant row 976" excavation at depths of 0.5 ft and 1 ft bgs. Samples analysis by EPA Method 8081 showed ND toxaphene, ND dieldrin and ND to 0.05 mg/kg DDT and DDE in the wooden shed area and, in the "plant row 976" area, ND to 0.26 mg/kg toxaphene and ND to 0.03 mg/kg 4,4-DDT and ND to 0.053 mg/kg 4,4-DDE. All results were below the residential cleanup goals for the residual contaminants on site.

CONTAMINATED SOIL DISPOSAL

AEC loaded 139 tons of the contaminated soil for disposal at the Waste Management Landfill in Surprise, Arizona under manifest (attached as Appendix C in the AEC June 7, 2010 report) as non-RCRA hazardous waste.

Table 1 – Nature and Degree of Site Contamination

Contaminant	Highest Concentration in Soil (mg/kg)		Cleanup Goal (Residential CHHSL or Background, mg/kg)
	Initial	Final	
Toxaphene	21 (0.5 ft bgs) TH-5 0.41 (0.5 ft bgs) TH-7-W	<0.25 (3 ft bgs) TH-5-CON 0.41 (0.5 ft bgs)TH-7-W	0.46
4,4-DDE	0.9 (0.5 ft bgs) TH-4 0.56 (0.5 ft bgs) TH-5-W-N	0.9 (0.5 ft bgs) TH-4 0.083 (0.5 ft bgs) TH-5-0.5-C <0.004 (0.5 ft bgs) TH-5-W-N-CON-3	1.6
4,4-DDT	40 (0.5 ft bgs) TH-5 0.50 (0.5 ft bgs) TH-5-W-N	0.004 (3 ft bgs) TH-5-CON <0.005 (0.5 ft bgs) TH-5-W-N-CON-3	1.6
Dieldrin	0.069 (0.5 ft bgs) TH-5-W	<0.003 (1.5 ft bgs) TH-5-W-CON	0.035
Chlordane	1.2 (0.5 ft bgs) TH-6	Not Detected (0.5 ft bgs) TH-6 resample	0.43
Arsenic	7.14 (0.5 ft bgs) TH-5 4.94 (0.5 ft bgs) TH-6	Removed - Not Tested 4.94 (0.5 ft bgs) TH-6	Background of 12 for So Cal
Lead	108 (0.5 ft bgs) TH-5 66.5 (0.5 ft bgs) TH-9	10.5 (0.5 ft bgs)TH-5 resample 5.9 (0.5 ft bgs) TH-9 resample	80

CONCLUSION AND RECOMMENDATION

Site soils that were found to be contaminated with toxaphene and dieldrin at concentrations above target cleanup levels were excavated and transported offsite under proper documentation for treatment/recycling. Since no significant contamination remains onsite to pose any threat to human health, the environment or to the beneficial use of water resources within the Orange County Management Zone, it is recommended that no further action be required for this property. Kamron Saremi of the Santa Ana Regional Water Quality Control Board was contacted regarding this and he concurred with no further action at this time.

Luis Lodrigueza
Hazardous Waste Specialist

Anthony Martinez, CEG #2255
Senior Engineering Geologist

Lodrigueza, Luis

From: Kamron Saremi [ksaremi@waterboards.ca.gov]
Sent: Tuesday, September 14, 2010 8:26 AM
To: Lodrigueza, Luis
Subject: Re: FW: Example of one of 5 pits filled

Boss,

Please proceed with closure process.

Thanks,

kamron

>>> "Lodrigueza, Luis" <LLodrigueza@ochca.com> 9/14/2010 8:18 AM >>>
Boss,

Please take a look at one of the pits being filled with slurry. After being filled, "dirt was compacted over the cement."

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

From: Jon Buck [mailto:jonbuck@advanced-ec.com]
Sent: Monday, September 13, 2010 4:23 PM
To: Lodrigueza, Luis
Subject: Example of one of 5 pits filled

Louie;

Pic's showing one of the pits being filled and when it was full. Dirt was compacted over the cement.

Thanks,

Jon

Privileged and Confidential Communication

The information contained in this e-mail message is confidential and/or privileged material that is solely transmitted for the purposes of the intended recipient(s). If you are not an intended recipient, or if this message has been inadvertently directed to your attention, you are hereby notified that you have received this message and any attached document(s) in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this message in error, please notify us immediately by return e-mail and delete and destroy all copies of the original message.

Lodrigueza, Luis

From: Lodrigueza, Luis
Sent: Monday, September 13, 2010 9:39 AM
To: 'Kamron Saremi'
Subject: FW: El Modeno Pits
Attachments: 258193.pdf

Importance: High

Boss,

Are the additional analyses for organo-chlorine pesticides of the two samples acceptable to you?

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

From: Lodrigueza, Luis
Sent: Wednesday, September 08, 2010 3:24 PM
To: 'Kamron Saremi'
Subject: FW: El Modeno Pits
Importance: High

Boss,

Additional analysis conducted for organo-chlorine pesticides (EPA Method 8081) for two samples closest to three of the septic pits showed no detection of these compounds (please see attached lab report).

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

From: April Saceaux [mailto:april@advanced-ec.com]
Sent: Wednesday, September 08, 2010 12:04 PM
To: Lodrigueza, Luis
Subject: El Modeno Pits

Luis,

Please see the attached results for Pit-1-35' and Pit 4-5-35' analyzed for organochlorine pesticides by EPA Method 8081A per your request.

Thanks,

April Saceaux
Office Manager
Advanced Environmental Concepts, Inc.
220 E. Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646
(661) 395-1616 Fax

Privileged and Confidential Communication

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From: Danielle Roberts [mailto:droberts@associatedlabs.com]
Sent: Wednesday, September 08, 2010 11:22 AM
To: 'Jon Buck'
Cc: 'April Saceaux'
Subject:

Additional 8081

Danielle Roberts
Project Manager
Associated Laboratories
806 N. Batavia
Orange, CA 92868
droberts@associatedlabs.com
Tel 714-771-6900
Cell 714-920-5157

ADVANCED ENVIRONMENTAL CONCEPTS INC

August 27, 2010

Mr. Luis Lodrigueza
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: Additional Confirmation Soil Sampling
El Modeno Gardens
11911 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza

Please find enclosed one (1) copy of the Summary Report for Additional Confirmation Soil Sampling at the above referenced project and location.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

Cc: Mr. Pete Changala, Irvine Valencia Growers (1)

RECEIVED HCA
AUG 30 2010
ENVIRONMENTAL HLTH

220 E. TRUXTUN AVENUE • BAKERSFIELD, CA 93305 661.395.1646 • FAX 661.395.1616

ADVANCED ENVIRONMENTAL CONCEPTS INC

August 12, 2010

Mr. Luis Lodrigueza
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: Sampling of Five (5) Dry Well Septic Pits
El Modeno Gardens
11911 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza:

Please find enclosed one (1) copy of the Summary Report for Sampling of Five (5) Dry Well Septic Pits at the above referenced project and location.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

RECEIVED HCA
AUG 16 2010
ENVIRONMENTAL HLTH

Lodrigueza, Luis

From: Lodrigueza, Luis
Sent: Monday, August 02, 2010 2:30 PM
To: 'Jon Buck'
Subject: El Modeno
Importance: High

Jon,

I noticed three samples that may delay NFA certification if left unaddressed. We may have time since I am still waiting for your report on the septic pits assessment to include in the NFA rationale I am preparing.

1. Sample **TH-6-0.5'** contained chlordane at 1.2 mg/kg, which in your initial report showed to be less than the CHHSL of 1.6 mg/kg. The CHHSL for chlordane is 0.43 mg/kg, not 1.6 mg/kg. The location should therefore be re-sampled to see what we have there now, and if chlordane comes up to be >0.43 mg/kg, we should define it and remove the contaminated soil.
2. Sample **TH-5-0.5'** showed 108 mg/kg lead, which in your reports is shown to have a CHHSL of 150 mg/kg. OEHHA revised this CHHSL from 150 mg/kg to 80 mg/kg in 2009. The impacted soil was removed together with the toxaphene and 4,4-DDT but we did not analyze for lead. Another verification sample should therefore be collected in this location to document the concentration of lead remaining.
3. Sample **TH-9-0.5'** showed 66.5 mg/kg lead. Although not above the CHHSL of 80 mg/kg, it should have been tested for soluble lead (WET), since any soil containing lead >10x STLC or >50 mg/kg must be so analyzed to determine whether or not it can be classified as hazardous waste.

I apologize for having detected these only during the review of the case for NFA rationale preparation—I should have found out sooner. Nonetheless, we can still work on it to avoid my superiors questioning me later and going back to do it, anyway. If the excavations have been filled in, we can still sample at the appropriate depths, knowing approximately how much soil has been removed from those locations.

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

ADVANCED ENVIRONMENTAL CONCEPTS INC

July 13, 2010

Mr. Luis Lodrigueza
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: **El Modeno Gardens**
11911 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza:

Please find enclosed one (1) copy of the **Soil Sampling and Soil Disposal Report** for the above referenced project and location.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

Lodrigueza, Luis

From: Jon Buck [jonbuck@advanced-ec.com]
Sent: Thursday, May 20, 2010 10:18 AM
To: Lodrigueza, Luis
Subject: Re: El Modeno Gardens

Ok, hope all goes well with your wife

Sent from my iPhone

On May 20, 2010, at 8:25 AM, "Lodrigueza, Luis" <LLodrigueza@ochca.com> wrote:

> Let's set Thur (5/27) or Fri (5/28) any time in the morning as tentative dates for the sampling.
>
> I will confirm with you as soon as my wife's surgery schedule is finalized.
>
> Luis Lodrigueza
> Hazardous Waste Specialist
> Orange County Health Care Agency
> Environmental Health Division
> Tel: (714) 433-6253
> Fax: (714) 754-1768
>
> ---
>
> **From:** Jon Buck [mailto:jonbuck@advanced-ec.com]
> **Sent:** Thursday, May 20, 2010 7:59 AM
> **To:** Lodrigueza, Luis
> **Subject:** Re: El Modeno Gardens
>
> I'll be back Monday thru Friday in Irvine. What day and time do you want to meet for additional sampling?
>
> Sent from my iPhone
>
> On May 19, 2010, at 3:15 PM, "Lodrigueza, Luis" <LLodrigueza@ochca.com> wrote:
>
> > Jon,
> >
> > Before it's too late, please consider the following.

Feeling that I somehow missed something when we met on site (and surprised at the sudden verification sampling we conducted), I went back and reviewed the AEC report and came to the conclusion that the sampling we did was not adequate in putting some "end points" to the excavation. I therefore would like that additional samples be collected at a depth of 0.5 ft bgs at the locations marked in the attached Figures 3 and 6, namely:

a) Samples 1 through 6 (marked by circled X) on Fig 3, unless #6 is duplicated by one of our earlier samples. These sample locations should show that the lateral extent of the impacted material has been defined.

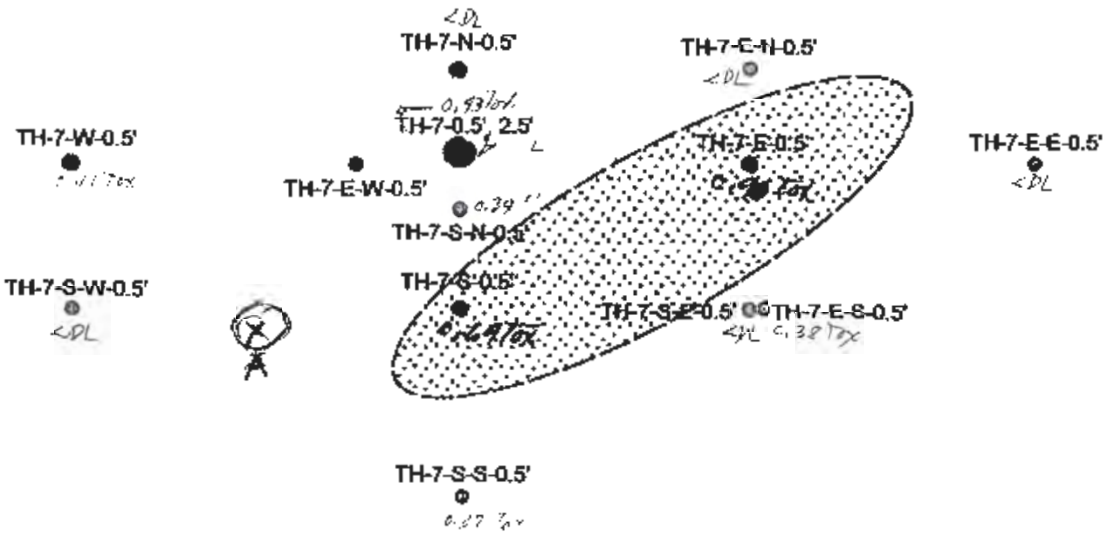
b) Sample A (marked by a circled X) on Fig 6. [Same reason as in a) above]

c) Soil around TH-7-0.5 ft, northwest of the "976" excavation, should be scraped off so no one can question why this was left behind—no matter how small the area is—and sampled to demonstrate that no significant toxaphene was left in place.

I am requesting the additional sampling to ensure that we do not have any problem during review of the NFA rationale that will present to management when closure time comes. Remember, the future land use is "park" and management is quite sensitive to that issue.

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

<El Modeno sampling.pdf>



Elevated Toxaphene Concentrations

January 28, 2010 Initial Sampling Location

February 9, 2010 Step-out Sampling Location

February 19, 2010 Step-out Sampling Location

0' 5' 10'

N W E S

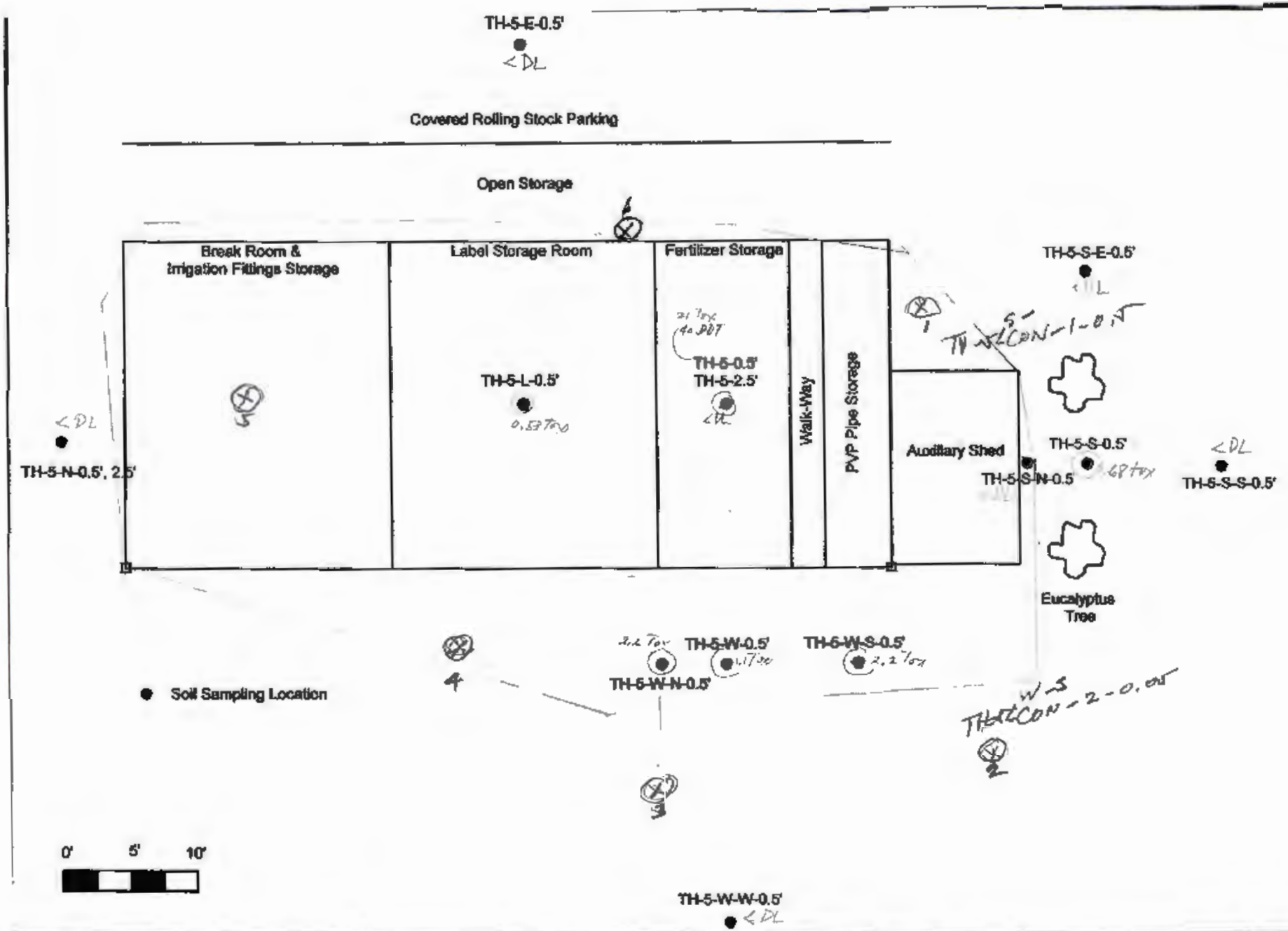
ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40572 BAKERSFIELD, CA 93384

Row 976

El Modeno Gardens
11911 Jeffrey Road
Irvine, California

FIGURE

6



ADVANCED ENVIRONMENTAL CONCEPTS INC ADVANCED ENVIRONMENTAL CONCEPTS P.O. BOX 40572 BAKERSFIELD, CA 93384	**Old Wooden Shed** El Modeno Gardens 11911 Jeffrey Road Irvine, California	FIGURE 3

ADVANCED ENVIRONMENTAL CONCEPTS INC

May 14, 2010

Mr. Luis Lodrigueza
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: **El Modeno Gardens**
11911 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza:

Please find enclosed one (1) copy of the **Summary Report for El Modeno Gardens** for the above referenced project and location.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

RECEIVED HCA/RH
MAY 17 2010
ENVIRONMENTAL HLTH

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

DAVID L. RILEY
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

Excellence
Integrity
Service

May 17, 2010

Peter Changala
Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: **Request for Remedial Action Supervision**

Re: El Modeno Gardens Nursery
11911 Jeffrey Road
Irvine, CA 92602
OCHCA Case #10IC003

Dear Mr. Changala:

Orange County Health Care Agency (OCHCA), Environmental Health has received the request you submitted for remedial action supervision as provided for in the California Health and Safety Code (H&SC), Division 101, Chapter 4, Article 5, Section 101480 (b), at the above referenced site. This Agency agrees to provide remedial oversight in accordance with the conditions specified on page 2 of "Request for Remedial Action Supervision" unless the California Department of Toxic Substances Control or Regional Water Quality Control Board (RWQCB) objects to OCHCA's oversight of the project within 10 business days of receipt of notification.

Where a preliminary site assessment has not already been submitted, please submit a site assessment work plan for review and concurrence by HCA staff prior to implementation. This review will help ensure the planned site assessment work includes required information. The site assessment work plan should be designed to accomplish the identification of the lateral and vertical extent of soil contamination and the concentration of contaminants. The plan should include:

1. A site history that will serve as rationale for the selection of the locations of soil samples and soil borings and laboratory methods.
2. The proposed number and locations of soil samples and soil borings, and sampling methodology.
3. The proposed laboratory analysis and method.

After completion of site assessment, a report that outlines the findings of the site assessment and presents a proposed remedial action plan should be submitted to OCHCA staff for review and concurrence. A health and safety plan will be required where site remedial activities may pose a threat to public health. After the

remedial action plan has been fully implemented, remediation completion will be determined by site sampling overseen by OCHCA staff.

Upon the satisfactory completion of site assessment and necessary soil remediation, this Agency will issue a letter of completion. Where the site assessment reveals a possible threat to groundwater resources, the appropriate RWQCB will be so notified. When the RWQCB requires soil remedial action you will be requested to submit remedial action plans to both Agencies for review and concurrence.

All required permits must be obtained prior to beginning exploratory borings and construction of wells. All borings and abandoned wells must be properly sealed. Wells should be secured to prevent unauthorized access. For further information regarding required well permits and well abandonment, please contact this Agency's Water Quality Section at (714) 433-6287 or (714) 433-6288. Drilling procedures, well design and construction must be accomplished in a manner that prevents the spread of contamination. Design and procedures should be developed by a registered professional (P.G., C.E.G., R.C.E., C.H.G., or equivalent) with expertise in subsurface investigations. Reports that include logs of soil borings or any findings or conclusions relating to subsurface information must be signed by a properly registered professional (P.G., C.E.G., C.H.G., or equivalent).

If any material removed from the site is a hazardous waste, send photocopies of the manifests, signed by the receiving facility, used to transport the material as verification of its proper transportation and disposal or treatment. Contaminated soil not meeting hazardous waste criteria should not be removed off site to other than a Class I hazardous waste landfill or permitted hazardous waste treatment facility without verification by this Agency and approval of the appropriate RWQCB.

Be advised that an owner of non-residential real property who knows, or has reasonable cause to believe, that any release of a hazardous substance has come to be located on or beneath that real property shall, prior to sale, lease, or rental of the real property, give written notice of that condition to each buyer, lessee, or renter of the real property (H&SC, Division 20, Chapter 6.8, Section 25359.7[a]). Also any lessee or renter of real property who knows or has reasonable cause to believe that any release of a hazardous substance has come or will come to be located on or beneath that real property shall, following its discovery, give written notice of that condition to the owner of the real property or the lessor (H&SC Division 20, Chapter 6.8, Section 25359.7[b]).

If you have any questions regarding this matter, please contact the undersigned at (714) 433-6253 or LLodrigueza@ochca.com.

Sincerely,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Mitigation Section
Environmental Health Division

cc: Ann Sturdivant, California Regional Water Quality Control Board-Santa Ana Region
Kamron Saremi, California Regional Water Quality Control Board-Santa Ana Region

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

DAVID L. RILEY
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

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DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

HAZARDOUS MATERIALS MANAGEMENT SECTION

Remedial Action Agreement Notification (Revised)

Orange County Health Care Agency, Environmental Health proposes to enter into a Remedial Action Agreement with the Responsible Party listed below. Pursuant to Section 101487, Article 5, Chapter 4, Part 3, Division 101 of the Health & Safety Code, the following information is provided as notification to your Agency.

A. Site Name El Modeno Gardens Nursery
Site Address 11911 Jeffrey Road, Irvine, CA 92602

B. Responsible Party Irvine Company
Mailing Address 11501 Jeffrey Road, Irvine, CA 92602
Contact Person Robert Groot Telephone (949) 230-4129 Fax _____

C. Site Owner Irvine Company
Mailing Address Same As Above
Telephone Same As Above Fax _____

D. Any known or planned Local, State or Federal regulatory involvement? ☑ Yes ☐ No
Verification of remedial action completion

E. Notification Date May 17, 2010

If you have questions, please contact Luis Lodrigueza at (714) 433-6253 (*Phone*), (714) 754-1768 (*Fax*) or LLodrigueza@ochca.com.

Department of Toxic Substances Control ☑ Attn: Greg Holmes, Unit Chief Southern California Cleanup Operations 5796 Corporate Avenue Cypress, CA 90630 Phone: (714) 484-5461 Fax: (714) 484-5438	California Regional Water Quality Control Board Santa Ana Region ☑ Attn: Ann Sturdivant, Chief SCP/DOD Program 3737 Main Street, Suite 500 Phone: (951) 782-4130 Riverside, CA 92501-3339 Fax: (951) 781-6288

Lodrigueza, Luis

From: Jon Buck [jonbuck@advanced-ec.com]
Sent: Thursday, May 13, 2010 1:03 PM
To: Lodrigueza, Luis
Subject: RE: site visit

Luis,

Go north on Jeffrey Road, past Portola Parkway to El Modeno Gardens at 11911 Jeffrey Road. Jon will meet you in front of the offices at 10:30am.

Thanks,

April for Jon

Privileged and Confidential Communication
The information contained in this e-mail message is confidential and/or privileged material that is solely transmitted for the purposes of the intended recipient(s). If you are not an intended recipient, or if this message has been inadvertently directed to your attention, you are hereby notified that you have received this message and any attached document(s) in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this message in error, please notify us immediately by return e-mail and delete and destroy all copies of the original message.

From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Thursday, May 13, 2010 12:37 PM
To: Jon Buck
Subject: RE: site visit
Importance: High

Let me then review the AEC report. I think we should plan on meeting tomorrow at 10:30 AM. Is there any specific site access point that I should know about?

I'll wait for your confirmation. I have a tight schedule tomorrow so I have to find out ASAP if you could make it.

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

From: Jon Buck [mailto:jonbuck@advanced-ec.com]
Sent: Thursday, May 13, 2010 12:02 PM
To: Lodrigueza, Luis
Subject: Re: site visit

Absolutely yes

Sent from my iPhone

On May 13, 2010, at 10:48 AM, "Lodrigueza, Luis" <LLodrigueza@ochca.com> wrote:

> I can't work on a case without having t enrolled in the voluntary cleanup program—unless the Irvine

Company will agree that the time for this site visit will be accepted for billing, antedating the actual opening up of the cleanup case.

Would The Irvine Company vouch for that?

Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
Tel: (714) 433-6253
Fax: (714) 754-1768

From: Jon Buck [mailto:jonbuck@advanced-ec.com]
Sent: Wednesday, May 12, 2010 3:42 PM
To: Lodrigueza, Luis
Subject: site visit

Loiue,

We going to be able to meet either tomorrow or Friday?

Jon

Privileged and Confidential Communication
The information contained in this e-mail message is confidential and/or privileged material that is solely transmitted for the purposes of the intended recipient(s). If you are not an intended recipient, or if this message has been inadvertently directed to your attention, you are hereby notified that you have received this message and any attached document(s) in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this message in error, please notify us immediately by return e-mail and delete and destroy all copies of the original message.

SUCHY TRENCHING (CERSID: 10548514)

Facility Information **Submitted Feb 27, 2023**

Submitted on 2/27/2023 5:00:26 PM by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 27, 2023**

Submitted on 2/27/2023 5:00:26 PM by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

- Hazardous Material Inventory (1)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Web graphic, 866KB)
  - *Annotated Site Map (Official Use Only)* (Web graphic, 702KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 188KB)

California Environmental Reporting System (CERS) — Business Activities

Site Identification

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548514
EPA ID Number
CAL000183770

Submittal Status

Submitted on 2/27/2023 by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548514

Submittal Status

Submitted on 2/27/2023 by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

Identification

Robert Suchy

Operator Phone	Business Phone	Business Fax
(714) 412-5406	(714) 633-2733	

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
	1794	238910

Facility/Site Mailing Address

PO Box 7303
Orange, CA 92863

Primary Emergency Contact

Robert Suchy
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(714) 633-2733	(714) 412-5406	

Owner

Suchy Trenching, Inc.
(714) 633-2733
PO Box 7303
Orange, CA 92863

Secondary Emergency Contact

Richard Suchy
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(714) 633-2733	(714) 412-5407	

Billing Contact

Irene Elbe
(714) 633-2733 suchytrenching@gmail.com
PO Box 7303
Orange, CA 92863

Environmental Contact

Robert Suchy
(714) 412-5406 suchytrenching@gmail.com
PO Box 7303
Orange, CA 92863

Name of Signer	Signer Title	Document Preparer
Robert Suchy	Owner	Robert Suchy

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

The Irvine Co
Phone
(949) 720-2203
Mailing Address
550 Newport Center Dr
Newport Beach, CA 92660

Assessor Parcel Number (APN)

Number of Employees

Facility ID
FA0039387

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SUCHY TRENCHING**
Facility Name **SUCHY TRENCHING**
11501 JEFFREY RD , IRVINE 92602

Chemical Location **Building**

CERS ID **10548514**
Facility ID **FA0039387**
Status **Submitted** on 2/27/2023 5:00 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Motor Oil	**Gallons**	**110**	**55**	35	110	- Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	various petroleum oils	100%		64742-65-0
Combustible Liquid, Class III-B	CAS No	State: Liquid Type: Waste	Storage Container: Aboveground Tank Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code: 221					

STICE COMPANY INC (CERSID: 10548562)

Facility Information **Accepted Mar 30, 2022**

Submitted on 3/23/2022 4:15:19 PM by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted*** on 3/30/2022 9:09:33 AM by Jeff Nofal

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted Mar 30, 2022**

Submitted on 3/23/2022 4:15:19 PM by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted*** on 3/30/2022 9:09:52 AM by Jeff Nofal
Comments by regulator: Conditionally accepted pending on site review.

- Hazardous Material Inventory (6)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 181KB)

California Environmental Reporting System (CERS) — Business Activities

Site Identification

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548562
EPA ID Number
CAR000172460

Submittal Status

Submitted on 3/23/2022 by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 3/30/2022 by *Jeff Nofal* for Orange County Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548562

Submittal Status

Submitted on 3/23/2022 by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 3/30/2022 by *Jeff Nofal* for Orange County Environmental Health

Identification

Jon Stice

Operator Phone	Business Phone	Business Fax
(714) 322-7816	(949) 654-4600	

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**

Facility/Site Mailing Address

10851 Jeffrey road
Irvine , CA 92602

Primary Emergency Contact

Jonathan Stice
Title
Vice President

Business Phone	24-Hour Phone	Pager Number
(949) 654-4600	(714) 322-7816	

Owner

Stice Company Inc.
(714) 746-8590
10851 Jeffrey road
Irvine , CA 92602

Secondary Emergency Contact

Robert Stice
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(949) 654-4600	(714) 746-8590	

Billing Contact

Stacey Barnhart
(949) 654-4600 Stacey@sticeco.com
10851 Jeffrey road
Irvine , CA 92602

Environmental Contact

John Stice
(714) 322-7816 jnstice@sticeco.com
10851 Jeffrey Road
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Jon Stice	Vice President	Jon Stice

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Irvine Company
Phone
(949) 720-2716
Mailing Address
550 newport center drive
Newport beach , CA 92660

Assessor Parcel Number (APN)

Number of Employees
13
Facility ID
FA0039431

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **LEVEL 2**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Propane	**Gallons**	**24**	**8**	16	0					
Flammable Gas	CAS No 74-98-6	State: Liquid Type: Pure	Storage Container: Cylinder Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **Storage**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 107-21-1	**Gallons** State Liquid Type Pure	**55** Storage Container Plastic Bottle or Jug Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	Waste Code	- Health Acute Toxicity				
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**290** Storage Container Cylinder Days on Site: 365	**145**	145 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**825** Storage Container Cylinder Days on Site: 365	**275**	550 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **Storage**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**550** Storage Container: Aboveground Tank Days on Site: 365	**550**	550 Pressue: Ambient Temperature: Ambient	7300 Waste Code: 221	- Physical Flammable	VARIOUS LUBRICATING BASE OILS ZINC ALKYLDITHIOPHOSPHATE	85% 2%		64742-65-0 68649-42-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Waste	**280** Storage Container: Aboveground Tank Days on Site: 365	**280**	100 Pressue: Ambient Temperature: Ambient	4800 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3

NAKAE & ASSOCIATES INC (CERSID: 10548574)

Facility Information **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Hazardous Material Inventory (9)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 34KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 17KB)

Guidance Messages

- **Warning:**
  1. Hazardous Material Inventory - This inventory contains 1 trade secret material(s). Trade secret information must meet the criteria specified in California Civil Code 3426.1(d) and Government Code 6254.7

Emergency Response and Training Plans **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 250KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

Aboveground Petroleum Storage Act **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Aboveground Petroleum Storage Act Documentation
  - Provided In Submital Element: Hazardous Materials Inventory
- APSA Facility Information

California Environmental Reporting System (CERS) — Business Activities

Site Identification

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548574
EPA ID Number
CAL000287752

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**Yes**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548574

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

Identification

Nakae & Associates, Inc.

Operator Phone	Business Phone	Business Fax
(949) 786-0405	(949) 786-0405	(949) 786-2585

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**

Facility/Site Mailing Address

11159 Jeffrey Road
Irvine, CA 92602

Primary Emergency Contact

kevin P. Kirchner
Title
Vice President

Business Phone	24-Hour Phone	Pager Number
(949) 786-0405	(714) 412-4486	

Owner

Russell Nakae
(949) 786-0405
11159 JEFFREY RD
IRVINE, CA 92602

Secondary Emergency Contact

Bob Johnson
Title
Superintendent

Business Phone	24-Hour Phone	Pager Number
(949) 786-0405	(949) 254-0343	

Billing Contact

Kevin P. Kirchner
(949) 786-0405 ocstaff@nakae.com
11159 JEFFREY RD
IRVINE, CA 92602

Environmental Contact

Kevin P. Kirchner
(949) 786-0405 ocstaff@nakae.com
11159 JEFFREY RD
IRVINE, CA 92602

Name of Signer	Signer Title	Document Preparer
Kevin Kirchner	Vice President	Kevin Kirchner

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

The Irvine Company
Phone

Mailing Address
Dept. 6001-6003
Los Angeles, CA 90084

Assessor Parcel Number (APN)

Number of Employees
11

Facility ID
FA0039443

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Inside Shop**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**White Mineral Oil** CAS No 8042-47-5 Map: Site Map	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	55 Pressue Temperature Ambient	Waste Code	- Health Acute Toxicity				
Combustible Liquid, Class III-B	**Ethylene Glycol** CAS No 107-21-1	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum		55 Pressue Temperature	Waste Code	- Health Acute Toxicity - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Acetone** CAS No 67-64-1	**Gallons** State Liquid Type Mixture	**55** Storage Container Steel Drum Days on Site: 365	**55**	1 Pressue Ambient Temperature Ambient	3 Waste Code 212	- Physical Flammable - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Hazard Not Otherwise Classified	heptane Naphtha	1% 30%		142-82-5 64742-49-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Lower Yard**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel** CAS No 68334-30-5	**Gallons** State Liquid Type Pure	**5600** Storage Container Aboveground Tank Days on Site: 365	**5600**	3400 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Gasoline** CAS No 86290-81-5	**Gallons** State Liquid Type Pure	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	250 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location
Outside of Shop

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Used lubricating oils** CAS No 64742-65-0	**Gallons** State Liquid Type Waste	**165** Storage Container Steel Drum Days on Site: 365	**55**	80 Pressue Ambient Temperature Ambient	500 Waste Code 221	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Various Petroleum Oils	100%		64742-65-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Outside Shop**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Antifreeze	**Gallons**	**55**	**55**	25	110	- Health Hazard	Ethylene Glycol	83%		107-21-1
Combustible Liquid, Class III-B	CAS No 107-21-1	State Liquid	Storage Container Steel Drum		Pressue Ambient	Waste Code 343	Not Otherwise Classified	Diethylene Glycol	16%		111-46-6
		Type Waste	Days on Site: 365		Temperature Ambient			Potassium Phosphate	1%		7758-11-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Shop**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No 64742-65-0	**Gallons** State Liquid Type Mixture	**165** Storage Container Steel Drum Days on Site: 365	**55**	110 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	VARIOUS PETROLEUM OILS	100%		64742-65-0
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**337** Storage Container Cylinder Days on Site: 365	**337**	168 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				7782-44-7

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID #	1. CERS ID	A1. DATE OF PLAN PREPARATION/REVISION A2.
FA0039443	10548574	05/04/2016

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* 3.
Nakae & Associates, Inc.

BUSINESS SITE ADDRESS 103.
11159 Jeffrey Road

BUSINESS SITE CITY 104.		ZIP CODE 105.
Irvine	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A3.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A4.
Landscape Construction	Fleet maintenance

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING: (Check all that apply) A5.

☒ 1. HAZARDOUS MATERIALS; ☒ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR VIA: (Check all that apply) B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (i.e., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator (or his/her designee when the Emergency Coordinator is on call) shall:

1. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
2. Notify appropriate local authorities (i.e., call 9-1-1).
3. Notify the California Emergency Management Agency at (800) 852-7550.

Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall notify the California Department of Toxic Substances Control (DTSC), the local Unified Program Agency (UPA), and the local fire department's hazardous materials program that the facility is in compliance with requirements to:

1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR VIA: (Check all that apply) C1.

☒ 1. VERBAL WARNINGS;	☒ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☐ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY: (Check all that apply) C2.

☒ 1. VERBAL WARNINGS;	☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☐ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CAL/EMA)	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA/CUPA)	7144336000 C3.
	OTHER (Specify): C4.	C5.
NEAREST MEDICAL FACILITY / HOSPITAL NAME:	Sunrise Healthcare Centers C6.	(714) 669-1997 C7.
AGENCY NOTIFICATION PHONE NUMBERS:	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD	C8.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT OF FISH AND GAME (DFG)	(916) 358-2900
	U.S. COAST GUARD	(202) 267-2180
	CAL/OSHA	(916) 263-2800
	STATE FIRE MARSHAL	(916) 445-8200
	OTHER (Specify): C9.	C10.
	OTHER (Specify): C11.	C12.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

SPILL PREVENTION, CONTAINMENT, AND CLEANUP PROCEDURES: (Check all boxes that apply to indicate your procedures for containing spills, releases, fires or explosions; and. preventing and mitigating associated harm to persons, property, and the environment.)

D1.

- ☒ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- ☒ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls);
- ☒ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, pigs, pillows);
- ☐ 4. COVER OR BLOCK FLOOR AND/ OR STORM DRAINS;
- ☐ 5. BUILT-IN BERM IN WORK / STORAGE AREA;
- ☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- ☒ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS (e.g. Flammable liquids, Propane);
- ☒ 8. STOP PROCESSES AND/OR OPERATIONS;
- ☐ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- ☒ 10. SHUT-OFF WATER, GAS, ELECTRICAL UTILITIES AS APPROPRIATE;
- ☒ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE / MEDICAL AID;
- ☒ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AREAS;
- ☒ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION CALL;
- ☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE RESPONSE TEAM;
- ☒ 15. REMOVE OR ISOLATE CONTAINERS / AREA AS APPROPRIATE;
- ☒ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- ☒ 17. USE ABSORBENT MATERIAL FOR SPILLS WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- ☐ 18. SUCTION USING SHOP VACUUM WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- ☐ 19. WASH / DECONTAMINATE EQUIPMENT W/ CONTAINMENT and DISPOSAL OF EFFLUENT / RINSATE AS HAZARDOUS WASTE;
- ☒ 20. PROVIDE SAFE TEMPORARY STORAGE OF EMERGENCY-GENERATED WASTES;
- ☐ 21. OTHER (Specify):

D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (CHECK ALL THAT APPLY): E1.

- ☐ 1. BELLS;
- ☒ 2. HORNS/SIRENS;
- ☒ 3. VERBAL (I.E., SHOUTING);
- ☐ 4. OTHER (Specify): E2.

THE FOLLOWING LOCATION(S) IS/ARE EVACUEE EMERGENCY ASSEMBLY AREA(S) (i.e., Front parking lot, specific street corner, etc.) E3.

Front Parking Lot

Note: The Emergency Coordinator must account for all on site employees and/or site visitors after evacuation.

☒ EVACUATION ROUTE MAP(S) POSTED AS REQUIRED E4.

Note: The map(s) must show primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas, and must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

Explanation of Requirement: Advance arrangements with local fire and police departments, hospitals, and/or emergency services contractors should be made as appropriate for your facility. You may determine that such arrangements are not necessary.

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following) F1.

- ☒ 1. HAVE BEEN DETERMINED NOT NECESSARY; *or*
- ☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify):

F2.

G. EMERGENCY EQUIPMENT

Check all boxes that apply to list emergency response equipment available at the facility and identify the location(s) where the equipment is kept and the equipment's capability, if applicable. [e.g., ☒ CHEMICAL PROTECTIVE GLOVES | Spill response kit | One time use, Oil & solvent resistant only.]

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION	CAPABILITY *(If applicable)*
Safety and First Aid	1. ☒ CHEMICAL PROTECTIVE SUITS, APRONS, OR VESTS	G2. P.P.E Storage Bin - Lower yard	G3. One Time Use
	2. ☒ CHEMICAL PROTECTIVE GLOVES	G4. P.P.E. Storage Bin - Lower Yard	G5.
	3. ☒ CHEMICAL PROTECTIVE BOOTS	G6. P.P.E. Storage Bin - Lower Yard	G7.
	4. ☒ SAFETY GLASSES / GOGGLES / SHIELDS	G8. P.P.E. Storage Bin - Lower Yard	G9.
	5. ☒ HARD HATS	G10. P.P.E. Storage Bin - Lower Yard	G11.
	6. ☐ CARTRIDGE RESPIRATORS	G12.	G13.
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)	G14.	G15.
	8. ☒ FIRST AID KITS / STATIONS	G16. P.P.E. Storage Bin - Lower Yard	G17.
	9. ☒ PLUMBED EYEWASH FOUNTAIN / SHOWER	G18. Corner Garage	G19.
	10. ☐ PORTABLE EYEWASH KITS	G20.	G21.
	11. ☐ OTHER	G22.	G23.
	12. ☐ OTHER	G24.	G25.
Fire Fighting	13. ☒ PORTABLE FIRE EXTINGUISHERS	G26. Shop/ office/ Yard/ Tool Storage Bin	G27.
	14. ☐ FIXED FIRE SYSTEMS / SPRINKLERS / FIRE HOSES	G28.	G29.
	15. ☐ FIRE ALARM BOXES OR STATIONS	G30.	G31.
	16. ☐ OTHER	G32.	G33.
Spill Control and Clean-Up	17. ☐ ALL-IN-ONE SPILL KIT	G34.	G35.
	18. ☒ ABSORBENT MATERIAL	G36. Shop	G37. One Time Use
	19. ☒ CONTAINER FOR USED ABSORBENT	G38. Shop	G39.
	20. ☐ BERMING / DIKING EQUIPMENT	G40.	G41.
	21. ☒ BROOM	G42. Tool Storage Bin - Lower yard	G43.
	22. ☒ SHOVEL	G44. Tool Storage Bin - Lower yard	G45.
	23. ☐ SHOP VAC	G46.	G47.
	24. ☐ EXHAUST HOOD	G48.	G49.
	25. ☐ EMERGENCY SUMP / HOLDING TANK	G50.	G51.
	26. ☐ CHEMICAL NEUTRALIZERS	G52.	G53.
	27. ☐ GAS CYLINDER LEAK REPAIR KIT	G54.	G55.
	28. ☐ SPILL OVERPACK DRUMS	G56.	G57.
	29. ☐ OTHER	G58.	G59.
Communi-cations and Alarm Systems	30. ☒ TELEPHONES (Includes cellular)	G60. Shop / Office / Personal Cell Phones	G61.
	31. ☒ INTERCOM / PA SYSTEM	G62. Shop / Yard	G63.
	32. ☐ PORTABLE RADIOS	G64.	G65.
	33. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT	G66.	G67.
Other	34. ☐ OTHER	G68.	G69.
	35. ☐ OTHER	G70.	G71.

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases / spills due to earthquake-related motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS: (Check all that apply)		LOCATIONS (e.g., shop, outdoor shed, forensic lab)	
☒ 1. HAZARDOUS MATERIALS / WASTE STORAGE AREA	H1.	Yard and Shop	H2.
☐ 2. PROCESS LINES / PIPING			H3.
☐ 3. LABORATORY			H4.
☐ 4. WASTE TREATMENT AREA			H5.

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS: (Check all that apply)		LOCATIONS	
☒ 1. SHELVES, CABINETS AND RACKS	H6.	Shop	H7.
☒ 2. TANKS (EMERGENCY SHUTOFF)		Yard and Shop	H8.
☒ 3. PORTABLE GAS CYLINDERS		Shop	H9.
☐ 4. EMERGENCY SHUTOFF AND/OR UTILITY VALVES			H10.
☐ 5. SPRINKLER SYSTEMS			H11.
☐ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane dispensing tank)			H12.

I. EMPLOYEE TRAINING

Explanation of Requirement: Employee training is required for all employees handling hazardous materials and hazardous wastes in day-to-day or clean-up operations including volunteers and/or contractors. Training must be:

- Provided within 6 months for new hires;
- Amended as necessary prior to change in process or work assignment;
- Given upon modification to the Emergency Response / Contingency Plan, and updated/refreshed annually for all employees.

Required content includes all of the following:

- Material Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Fire hazards of materials / processes;
- Conditions likely to worsen emergencies;
- Coordination of emergency response;
- Notification procedures;
- Applicable laws and regulations;
- Communication and alarm systems;
- Personal protective equipment;
- Use of emergency response equipment (e.g. Fire extinguishers, respirators, etc.);
- Decontamination procedures;
- Evacuation procedures;
- Control and containment procedures;
- UST monitoring system equipment and procedures (if applicable).

INDICATE HOW EMPLOYEE TRAINING PROGRAM IS ADMINISTERED (Check all that apply) I1.

☐ 1. FORMAL CLASSROOM; ☐ 2. VIDEOS; ☒ 3. SAFETY / TAILGATE MEETINGS;

☐ 4. STUDY GUIDES / MANUALS (Specify): _____ I2.

☐ 5. OTHER (Specify): _____ I3.

☐ 6. NOT APPLICABLE BECAUSE FACILITY HAS NO EMPLOYEES

Large Quantity Generator (LQG) Training Records: Large quantity hazardous waste generators (i.e., who generate more than 270 gallons/1,000 kilograms of hazardous waste per month) must retain written documentation of employee hazardous waste management training sessions which includes:

- A written outline/agenda of the type and amount of both introductory and continuing training that will be given to persons filling each job position having responsibility for the management of hazardous waste (e.g., labeling, manifesting, compliance with accumulation time limits, etc.).
- The name, job title, and date of training for each hazardous waste management training session given to an employee filling such a job position; and
- A written job description for each of the above job positions that describes job duties and the skills, education, or other qualifications required of personnel assigned to the position.
- Current employee training records must be retained until closure of the facility.
- Former employee training records must be retained at least three years after termination of employment.

J. LIST OF ATTACHMENTS

(Check one of the following) J1.

☒ 1. NO ATTACHMENTS ARE REQUIRED; *or*

☐ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

K. SIGNATURE / CERTIFICATION

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete, and that a copy is available on site.

SIGNATURE OF OWNER/OPERATOR		DATE SIGNED	K1.
		05/04/2016	
NAME OF SIGNER (print)	K2.	TITLE OF SIGNER	K3.
Kevin P. Kirchner		Vice President	

California Environmental Reporting System (CERS)

Aboveground Petroleum Storage Act - Facility Information Report

Facility/Site

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548574

CAL000287752

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

APSA Facility Information

Conditionally Exempt APSA Tank Facility
N

Date Of SPCC Plan Certification or Date of 5-Year Review
11/17/2021

Total Aboveground Storage Capacity of Petroleum	Number of Tanks in Underground Area(s)
6720	0

IRVINE VALENCIA GROWERS (CERSID: 10790038)

Facility Information **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Hazardous Material Inventory (7)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 797KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 797KB)

Emergency Response and Training Plans **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 1326KB)
- Employee Training Plan
  - *Employee Training Plan* (Adobe PDF, 1760KB)

Site Identification

IRVINE VALENCIA GROWERS
11501 Jeffrey Rd
Irvine, CA 92602
County
Orange

CERS ID
10790038
EPA ID Number
CAL000317787

Submittal Status

Submitted on 2/28/2023 by *Karen Verghese* of Irvine Valencia Growers (Irvine)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**Yes**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

IRVINE VALENCIA GROWERS
11501 Jeffrey Rd
Irvine, CA 92602

CERS ID
10790038

Submittal Status

Submitted on 2/28/2023 by *Karen Verghese* of Irvine Valencia Growers (Irvine)

Identification

IRVINE VALENCIA GROWERS

Operator Phone	Business Phone	Business Fax
(949) 533-3610	(949) 936-8085	(949) 936-8001

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
006905806	0179	115115

Facility/Site Mailing Address

11501 Jeffrey Road
Irvine, CA 92602

Primary Emergency Contact

PETER CHANGALA
Title
PRESIDENT

Business Phone	24-Hour Phone	Pager Number
(949) 936-8092	(949) 422-2292	

Owner

IRVINE VALENCIA GROWERS
(949) 936-8085
11501 Jeffrey Road
Irvine, CA 92602

Secondary Emergency Contact

KAREN VERGHESE
Title
CONTROLLER

Business Phone	24-Hour Phone	Pager Number
(949) 936-8085	(949) 533-3610	

Billing Contact

Karen Verghese
(949) 936-8085 kverghese@irvinecompany.com
11501 Jeffrey Road
Irvine, CA 92602

Environmental Contact

KAREN VERGHESE
(949) 936-8085 kverghese@irvinecompany.com
11501 Jeffrey Road
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Karen Verghese	CONTROLLER	Karen Verghese

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Phone

Mailing Address

,

Assessor Parcel Number (APN)

Number of Employees
30

Facility ID
FA0040775

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Irvine Valencia Growers**
Facility Name **IRVINE VALENCIA GROWERS**
11501 Jeffrey Rd, Irvine 92602

Chemical Location **Fertilizer Yard**

CERS ID **10790038**
Facility ID **FA0040775**
Status **Submitted** on 2/28/2023 2:23 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 5.1 - Oxidizing Substances	**Ammonium nitrate** CAS No 6484-52-2	**Gallons** State Solid Type Pure	**14000** Storage Container Aboveground Tank Days on Site: 35	**7000**	2000 Pressue Temperature	0 Waste Code	- Physical Oxidizer - Health Serious Eye Damage Eye Irritation				
	Potassium Thiosulfate CAS No 10294-66-3	**Gallons** State Liquid Type Mixture	**7000** Storage Container Aboveground Tank Days on Site: 30	**7000**	1000 Pressue Temperature	0 Waste Code		Potassium Thiosulfate water	50% 50%		10294-66-3 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Irvine Valencia Growers**
Facility Name **IRVINE VALENCIA GROWERS**
11501 Jeffrey Rd, Irvine 92602

Chemical Location **Shop Area**

CERS ID **10790038**
Facility ID **FA0040775**
Status **Submitted** on 2/28/2023 2:23 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Engine Oil** CAS No State: Liquid Type: Mixture Storage Container: Steel Drum Days on Site: 365	**Gallons**	**55**	**55**	35 Pressue: Ambient Temperature: Ambient	55 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3
DOT: 2.1 - Flammable Gases Flammable Gas	**Propane** CAS No 74-98-6 State: Gas Type: Pure Storage Container: Cylinder Days on Site: 365	**Cu. Feet**	**14**	**7**	10 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 State: Liquid Type: Pure Storage Container: Aboveground Tank Days on Site: 365	**Gallons**	**1000**	**1000**	800 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No State: Liquid Type: Waste Storage Container: Steel Drum, Plastic Bottle or Jug Days on Site: 365	**Gallons**	**150**	**50**	60 Pressue: Ambient Temperature: Ambient	100 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3
	Hydrotreated heavy paraffinic petroleum distillates CAS No 64742-54-7 State: Liquid Type: Pure Storage Container: Steel Drum	**Gallons**	**55**	**55**	45 Pressue: Ambient Temperature: Ambient	50 Waste Code					

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # ___-___-___ A1.

CERS ID # A2.: 10172966

DATE OF PLAN PREPARATION/REVISION (MM/DD/YYYY) A3.: 01/03/2019

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* A4.: IRVINE VLAENCIA GROWERS

BUSINESS SITE ADDRESS A5.: 11501 JEFFREY ROAD

BUSINESS SITE CITY A6.: IRVINE

CA

ZIP CODE A7.: 92602

TYPE OF BUSINESS (e.g., Painting Contractor) A8.: AGRICULTURE

INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A9.: FLEET MAINTENANCE

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING (Check all that apply): A10.

☐ 1. HAZARDOUS MATERIALS; ☐ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR BY (Check all that apply): B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (e.g., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

In the event of an emergency involving hazardous materials and/or hazardous waste, all facilities must IMMEDIATELY:
1. Notify facility personnel and evacuate if necessary in accordance with the Emergency Action Plan (Title 8 California Code of Regulations §3220);
2. Notify local emergency responders by calling 9-1-1;
3. Notify the local Unified Program Agency (UPA) at the phone number below; and
4. Notify the State Warning Center at (800) 852-7550.

Facilities that generate, treat, store or dispose of hazardous waste have additional responsibilities to notify and coordinate with other response agencies. Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator must follow the appropriate requirements for the category of facility and type of release involved:
1. Title 22 California Code of Regulations §66265.56. Emergency Procedures for generators of 1,000 kilograms or more of hazardous waste in any calendar month.
2. Title 22 California Code of Regulations §66265.196. Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems.
3. Title 40 Code of Federal Regulations §302.6. Notification requirements for a release of a hazardous substance equal to or greater than the reportable quantity.
4. Title 22 California Code of Regulations §66262.34(d)(2) and Title 40 Code of Federal Regulations §262.34(d)(5)(ii) for generators of less than 1000 kilograms of hazardous waste in any calendar month.

Following notification and before facility operations are resumed in areas of the facility affected by the incident, the Emergency Coordinator shall notify the local UPA and the local fire department's hazardous materials program, if necessary, that the facility is in compliance with requirements to:
1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA STATE WARNING CENTER (CSWC)/CAL OES.	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA)	(714) 433-6000 C1.
	OTHER (Specify): C2.	C3.
NEAREST MEDICAL FACILITY / HOSPITAL NAME: HOAG HOSPITAL C4.		(949) 764-4624 C5.

AGENCY NOTIFICATION PHONE NUMBERS:		
	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD (RWQCB)	(951) 782-4130 C6.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT. OF FISH AND WILDLIFE (CDFW)	(916) 358-2900
	U.S. COAST GUARD (USCG)	(202) 267-2180
	CAL OSHA	(916) 263-2800
	CAL FIRE OFFICE OF THE STATE FIRE MARSHAL (OSFM)	(916) 323-7390
	OTHER (Specify): C7.	C8.
	OTHER (Specify): C9.	C10.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR BY (Check all that apply): C11.

☑ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☐ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☑ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY (Check all that apply): C12.

☑ 1. VERBAL WARNINGS; ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; ☑ 3. TELEPHONE;
☐ 4. PAGERS; ☐ 5. ALARM SYSTEM; ☐ 6. PORTABLE RADIO

EMERGENCY COORDINATOR CONTACT INFORMATION: C13.

PRIMARY EMERGENCY COORDINATOR NAME: JESS RUIZ PHONE NO.: (949) 533-3620 PHONE NO.: (949) 936-8085

ALTERNATE EMERGENCY COORDINATOR NAME: KAREN VERGHESE PHONE NO.: (949) 533-3610 PHONE NO.: (949) 936-8095

☐ Check if additional Emergency Coordinator contact and address information is available onsite or by calling PHONE NO.:

Note: If more than one alternate emergency coordinator is designated, attach a list in order of responsibility.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

Check the applicable boxes to indicate your facility's procedures for containing spills and preventing and mitigating releases, fires and/or explosions. D1.

☐ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
☐ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls, built-in berms);
☑ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, spill pigs, spill pillows);
☑ 4. COVER OR BLOCK FLOOR AND/OR STORM DRAINS;
☐ 5. LINED TRENCH DRAINS AND/OR SUMPS;
☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
☑ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS;
☐ 8. STOP PROCESSES AND/OR OPERATIONS;
☐ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
☐ 10. SHUT OFF WATER, GAS, ELECTRICAL UTILITIES;
☑ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE AND/OR MEDICAL AID;
☑ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AND/OR IMPACTED AREAS;
☑ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION;
☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE EMERGENCY RESPONSE TEAM;
☐ 15. REMOVE CONTAINERS AND/OR ISOLATE AREAS;
☐ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
☑ 17. USE ABSORBENT MATERIAL FOR SPILL CONTAINMENT;
☐ 18. VACUUM SUCTION USING APPROPRIATE VACUUM (e.g., Intrinsically safe) FOR SPILL CONTROL AND/OR CLEANUP;
☐ 19. DECONTAMINATE PERSONNEL AND EQUIPMENT WITHIN DESIGNATED AREA AND DISPOSE OF WASTEWATER AS HAZARDOUS WASTE;
☐ 20. PROVIDE SAFE TEMPORARY STORAGE OF HAZARDOUS WASTE GENERATED DURING EMERGENCY ACTIONS;
☐ 21. OTHER (Specify): D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (Check all that apply): E1.

☐ 1. BELLS; E2.
☐ 2. HORNS/SIRENS;
☑ 3. VERBAL (i.e., Shouting);
☐ 4. OTHER (Specify):

THE FOLLOWING LOCATION(S) WILL BE USED FOR AN EMERGENCY ASSEMBLY AREA(S) (e.g., Parking lot, street corner): E3.

The Corner of Jeffrey Road and Portoloa

Note: The Emergency Coordinator must account for all onsite employees and visitors after evacuation.

EVACUATION ROUTE S AND ALTERNATE EVACUATION ROUTES ARE DESCRIBED AS FOLLOWS: E4.

☑ 1. WRITTEN PROCEDURES DESCRIBING ROUTES, EXITS, AND ASSEMBLY AREAS;
☐ 2. EVACUATION MAP(S) DEPICTING ROUTES, EXITS, AND ASSEMBLY AREAS;
☐ 3. OTHER (Specify): E5.

Note: Evacuation procedures and/or maps should be posted in visible facility locations and must be included in the Contingency Plan.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following): F1.

☑ 1. HAVE BEEN DETERMINED NOT NECESSARY;
☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

Note: Advance arrangements with local fire and police departments, hospitals, state and local emergency response teams, and/or emergency services contractors should be made for your facility, if necessary. Large Quantity Generators must describe arrangements in the Contingency Plan.

G. EMERGENCY EQUIPMENT

Check the applicable boxes to list emergency response equipment available at the facility, identify the location(s) where the equipment is kept, and indicate the equipment's capability, if applicable.

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION G2.	CAPABILITY G3.
EXAMPLE	☒ *CHEMICAL PROTECTIVE GLOVES*	*SPILL RESPONSE KIT*	*SINGLE USE, OIL RESISTANT ONLY*
Safety and First Aid	1. ☐ CHEMICAL PROTECTIVE SUITS, APRONS, AND/OR VESTS		
	2. ☐ CHEMICAL PROTECTIVE GLOVES		
	3. ☐ CHEMICAL PROTECTIVE BOOTS		
	4. ☒ SAFETY GLASSES, GOGGLES, AND FACE SHIELDS		
	5. ☒ HARD HATS		
	6. ☐ AIR-PURIFYING RESPIRATORS		
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)		
	8. ☐ FIRST AID KITS		
	9. ☒ PLUMBED EYEWASH FOUNTAIN AND/OR SHOWER		
	10. ☒ PORTABLE EYEWASH KITS AND/OR STATION		
	11. ☐ OTHER		
Fire Fighting	12. ☒ PORTABLE FIRE EXTINGUISHERS		
	13. ☐ FIXED FIRE SUPPRESSION SYSTEMS AND/OR SPRINKLERS		
	14. ☐ FIRE ALARM BOXES		
	15. ☐ OTHER		
Spill Control and Clean-Up	16. ☒ ALL-IN-ONE SPILL KIT		
	17. ☒ ABSORBENT MATERIAL		
	18. ☐ CONTAINER FOR USED ABSORBENT		
	19. ☐ BERM AND/OR DIKING EQUIPMENT		
	20. ☐ BROOM		
	21. ☐ SHOVEL		
	22. ☐ VACUUM		
	23. ☐ EXHAUST HOOD		
	24. ☐ SUMP AND/OR HOLDING TANK		
	25. ☐ CHEMICAL NEUTRALIZERS		
	26. ☐ GAS CYLINDER LEAK REPAIR KIT		
	27. ☐ SPILL OVERPACK DRUMS		
	28. ☐ OTHER		
Communi-cations and Alarm Systems	29. ☒ TELEPHONES (e.g., Cellular)		
	30. ☐ INTERCOM AND/OR PA SYSTEM		
	31. ☒ PORTABLE RADIOS		
	32. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT		
Other	33. ☐ OTHER		
	34. ☐ OTHER		

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases due to seismic motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS (Check all that apply): H1.

- [x] 1. HAZARDOUS MATERIALS AND/OR WASTE STORAGE AREAS
- [ ] 2. PROCESS LINES AND PIPING
- [ ] 3. LABORATORY
- [ ] 4. WASTE TREATMENT AREA

LOCATIONS (e.g., Shop, outdoor shed, lab): H2.
Shop Area

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS AND/OR EQUIPMENT (Check all that apply): H3.

- [ ] 1. SHELVES, CABINETS AND/OR RACKS
- [ ] 2. TANKS AND SHUT-OFF VALVES
- [ ] 3. PORTABLE GAS CYLINDERS
- [ ] 4. EMERGENCY SHUT-OFF AND/OR UTILITY VALVES
- [ ] 5. SPRINKLER SYSTEMS
- [ ] 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane tank)

LOCATIONS: H4.

I. EMPLOYEE TRAINING

Employee training is required for all employees and/or contractors handling hazardous materials and/or hazardous wastes during normal and/or emergency operations. Most facilities will need to submit a separate Training Plan. However, your CUPA may accept this section as the Training Plan for some small facilities. Employee training plans may include the following content:

- Applicable laws and regulations;
- Emergency response plans and procedures;
- Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Hazards of materials and processes (e.g., fire, explosion, asphyxiation);
- Hazard mitigation, prevention and abatement procedures;
- Coordination of emergency response actions;
- Notification procedures for local emergency responders, CUPA, Cal OES, and onsite personnel;
- Communication and alarm systems;
- Personal protective equipment;
- Use and maintenance of emergency response equipment and supplies (e.g. Fire extinguishers, respirators, spill control materials);
- Decontamination procedures;
- Evacuation procedures and evacuation staging locations;
- Identification of facility areas, equipment, and systems vulnerable to earthquakes and other natural disasters.
- OTHER (Specify):

Check the applicable boxes below to indicate how the employee training program is administered.

- [ ] 1. FORMAL CLASSROOM
- [ ] 2. VIDEOS
- [x] 3. SAFETY MEETINGS
- [ ] 4. STUDY GUIDES / MANUALS
- [ ] 5. OTHER (Specify): I1. I2.
- [ ] 6. NOT APPLICABLE SINCE FACILITY HAS NO EMPLOYEES
- [ ] 7. CHECK IF A SEPARATE EMPLOYEE TRAINING PLAN IS USED AND UPLOADED TO CERS AS A PDF DOCUMENT I3.
- [ ] 8. CHECK IF EMPLOYEE TRAINING IS COVERED BY THE ABOVE REFERENCED CONTENT AND OTHER DOCUMENTS ONSITE I4.

EMPLOYEE TRAINING FREQUENCY AND RECORDKEEPING TRAINING MUST BE:

- Provided initially for new employees as soon as possible following the date of hire. New employees should not work in an unsupervised position that involves hazardous materials handling and/or hazardous waste management without proper training;
- Provided within six months from the date of hire for new employees at a large quantity generator;
- Ongoing and provided at least annually;
- Amended prior to a change in process or work assignment;
- Given upon modification to the Emergency Response/Contingency Plan.

Large Quantity Generator Training: Large quantity generators (1,000 kg or more) must retain written plan and documentation of employee training which includes:

- A written description of the type and amount of both initial and ongoing training that will be given to persons filling each job position having responsibility for hazardous waste management and/or emergency response.
- The name, job title and job description for each position at the facility related to hazardous waste management.
- Current employee training records must be retained until closure of the facility and former employee training records must be retained for at least three years after termination of employment.

Small Quantity Generator Training: Small quantity generators (less than 1,000 kg) must include basic hazardous waste management and emergency response procedures but a written employee training plan and training records are not required. In order to show that the facility has met the small quantity generator employee training requirement, an employee training plan and training records may be made available.

Hazardous Materials Business Plan Training: Businesses must provide initial and annual employee training that includes the content referenced above. The training may be based on the job position and training records must be made available for a period of at least three years.

J. LIST OF ATTACHMENTS

Check one of the following:

- [x] 1. NO ATTACHMENTS ARE REQUIRED; or J1.
- [ ] 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

IRVINE VALENCIA GROWERS
EMERGENCY ACTION PLAN

This procedure establishes minimum procedures for responding to various emergencies in our facility.

Scope

This procedure applies to all of our company employees, all contractors and vendors performing work on company property, and all other individuals who are visiting or have business with our company.

Responsibilities

Management is responsible for plan development and periodic review of this plan. Management is also responsible for appropriate employee training.

Management and supervisors are responsible for enforcement of this program.

Employees shall comply with all procedures outlined in this policy.

Contractors and vendors shall comply with all procedures outlined in this policy.

Definitions

911 Notification System: Method that is used by our facility to call outside emergency services (police, fire, EMS)

Defensive Action: Response to a chemical spill or release that does not require personal protective equipment or hazardous material response training. Examples are: closing an open valve, placing absorbent material in front of a running spill or closing a door.

Emergency: An unplanned event that could jeopardize the safety of people or property in our facility. An emergency can originate on our site or off-site: either can impact the people and property within our facility.

Emergency Coordinator: A staff member who is responsible for decision making during the initial phase of an emergency (generally this stage is defined by: discovery, activating the alarm, evacuation, employee accounting, initial response by off-site emergency services, etc.) An Emergency Coordinator will be assigned whenever the facility is operating.

Evacuation Location: The location that employees, visitors and contractors report to following an evacuation.

Procedure

Overview

All actions taken during an emergency will serve to protect the life and safety of employees, contractors, visitors and our facility neighbors. To the extent possible, we will minimize damage to property and the environment. Our emergency response activity will never knowingly jeopardize the safety of any individual.

Accounting for Personnel

Employee crew sheets will be used for personnel accounting following an emergency. Supervisors or designees will be responsible for using the roster sheets to accomplish a head count immediately following the event.

Individuals who have disabilities that may impair their ability to evacuate will be encouraged to discuss the issue with Human Resources or another member of management. Necessary arrangements will be made confidentially to assist with evacuation.

Emergency Alarm System and Emergency Services Notification

In the event of an emergency the following methods can be used to communicate:

- Hand held ranch radios to those who have them and then using the following two methods
- Word of mouth
- Air horn

911 Notification System: Outside emergency services (police, fire, EMS) will be contacted as follows: A Supervisor or Security personnel with a cell phone will contact 911 and will stay on the line with them to give clear instructions to the location on the ranch that emergency personnel need to go to.

Fire Emergency

Employees discovering a fire will take the following action:

1. Alert others in the area who are at risk and notify a member of management who will initiate the 911 Notification System
2. Initiate the fire alarm procedure which would include air horn or word of mouth as needed.
3. Turn off involved equipment
4. Consider using a fire extinguisher, *if trained and authorized to do so*
5. Direct employees and others to a safe area away from the fire or leave the area.

Upon being alerted of a fire evacuation, all employees will:

1. Turn off equipment (if safe to do so)
2. Walk in an orderly and quiet manner to the area to go to or enter their vehicles and drive out to the nearest gate as instructed by their supervisor.
3. Do not delay evacuation or re-enter hazardous areas to retrieve personal possessions such as keys, coats purses, or lunches
4. Report to designated fire Evacuation Location as instructed by your supervisor for head count. Stay together with their assigned group until further instructions are given
5. The facility or area will not be reoccupied until approved by the fire department

Note: A supervisor, foreman or lead person will be the last to leave the evacuated area to insure that all personnel are accounted for. Supervisor will check portable toilets and other areas to make sure all employees are out of the area.

Medical Emergency

In the event of a medical emergency the following actions will be taken:

1. Notify a member of management who will initiate the 911 Notification System Evaluate scene safety-if there is any concern all personnel should stay at a safe distance
2. Do not move the ill/injured person (unless s/he is in danger from their surroundings)
3. Avoid all contact with blood and other bodily fluids (never attempt to provide first aid unless you are trained and equipped to do so)
4. A calm employee may stay with the ill/injured person to provide comfort
5. The supervisor will assign at least two employees to wait for the EMS responders closest entrance to the field area and to give them directions to the injured employee.
6. All uninvolved personnel should clear the area
7. If there has been any blood or bodily fluid release, trained personnel will clean and sanitize the area after the emergency phase has concluded

Severe Weather

In the event of severe weather, all employees will be notified by word of mouth or via air horn to take shelter or precautions.

1. Turn off equipment (if safe to do so) and if applicable.
2. Follow the instructions of the supervisor for where to go for your safety.
3. A head count will be conducted to account for all personnel
4. When the severe weather warning expires employees will be instructed that it is safe to resume working.

Note: A supervisor, foreman or lead person will be the last to leave the evacuated area to insure that all personnel are accounted for. Supervisor will check portable toilets and other areas to make sure all employees are out of the area.

Hazardous Chemical Spill or Release

Hazardous chemical spills or releases can be recognized visually by seeing evidence of a chemical escaping from its' normal containment or by detecting an unusual odor. If a chemical spill is suspected all personnel will do the following:

1. Alert others in the area who are at risk and notify a member of management who will initiate the 911 Notification System if necessary.
2. Turn off equipment (if safe to do so)
3. Leave the area of the spill and move to an area that is not affected by the spill.
4. A supervisor will contact the appropriate personnel via ranch radio to obtain trained personnel to assist in the clean up of spill.

No employee will take any action other than defensive actions to attempt to control a hazardous chemical spill or release unless s/he has been trained and equipped to respond.

Electrical Utility Failure

In the event of an electrical failure the following procedure will be followed:

1. If the failure is in a partial area of the facility notify a supervisor or member of management
2. Turn off equipment using normal controls
3. Expect sudden equipment restart-stay away from the point of operation and other moving surfaces
4. Do not attempt to move around dark areas-supervisors will use flashlights to guide employees to a safe area to wait for power restoration
5. After power is restored follow supervisor's directions for equipment restart

Workplace Violence

Workplace violence will be handled as follows:

1. Any employee who witnesses a violent act, threat of violence or is otherwise concerned should report it to a member of management
2. If immediate action is necessary, s/he will:
   - advise personnel most at risk to take shelter behind closed doors or to evacuate to other areas of the facility
   - contact emergency services or delegate another person to do so
   - notify a member of management who will evaluate the situation, meet the police, expand the evacuation if needed and coordinate a head count
3. If immediate action is not deemed necessary, the member of management will notify upper management about the incident. Upper management will investigate the incident and determine if any other follow up is necessary.

Emergency Duties

Supervisors

1. Assist with responding to all emergencies and communicate emergency instructions to employees
2. Communicate facts surrounding an emergency occurring in their area to the Emergency Coordinator
3. Develop plans to assist employees with disabilities to evacuate safely
4. Verify all employees are evacuated before leaving
5. Perform the head count procedure to account for all employees and communicate missing personnel to management.
6. Be the initial contact and coordinator for incidents involving workplace violence

Critical Operations Duties

Employees who are required to remain behind during evacuation, or who are assigned special response duties, will be fully trained and equipped to ensure their safety and readiness.

Training

At a minimum, training will be conducted:
-Upon hire
-When this plan changes
-When employee duties change
- Annually with all personnel

Training will consist of:

1. Methods of alerting employees of an emergency
2. Employee duties upon discovering an emergency
3. Evacuation routes and Evacuation Locations
4. Procedures to be followed upon notification of emergency
5. Special Critical Operations duties assigned to employees

Revision History Record:

Revision Number	Section	Revised By	Description
0	NA	NA	Original document.

Appendix A

Appendix B

Important Things For You to Remember ...

Emergencies in the Workplace

REMEMBER YOUR RESPONSIBILITY IN EMERGENCY SITUATIONS:

- ✓ FOLLOW YOUR TRAINING
- ✓ REACT CALMLY AND QUICKLY
- ✓ DON'T BE A HERO

IF YOU DISCOVER A FIRE

- Alert others at risk
- Notify a manager
- Activate the alarm system
- Turn off involved equipment
- Evacuate

FIRE ALARM

- Turn off equipment
- Take the closest safe exit
- Go to the evacuation location
- Stay with your group
- Do not re-enter building

MEDICAL EMERGENCY

- Alert a manager
- Follow procedure for Fire Alarm

SEVERE WEATHER

- Turn off equipment
- Report to evacuation location

HAZARDOUS CHEMICAL SPILL

- Report to a manager
- Follow procedure for Fire Alarm

WORKPLACE VIOLENCE

- Report concerns to a manager
- Remove yourself from the area
- Follow management directions

INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0044713

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602

Record ID: FA0039387
Inspection Date: 07/02/2015
Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR
Service: A01-**ROUTINE INSPECTION**
Lisa Wales, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 559-0101
7:00-8:00 AM
LWales@ochca.com

Mailing Address:
SUCHY TRENCHING INC
3423 E CHAPMAN AVE STE D
ORANGE, CA 92859

On site for a routing hazardous waste inspection. Inspection was conducted with Thomas.

Facility generates used oil and used oil filters.

Containers of hazardous waste are stored closed and properly labeled.

Receipts are available for review. Facility is currently assigned and using EPA ID # CAL000183770.

Emergency response information is posted near the office.

I declare that I have examined and received a copy of this inspection report.

COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Print Name and Title _____

Signature _____ Date _____

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0044764

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602

Record ID: FA0039431
Inspection Date: 01/08/2016
Reinspection Date: 02/07/2016

Type of Facility: 5111-HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**

Mailing Address:
STICE COMPANY INC
10851 JEFFERY RD
IRVINE, CA 92602

Lisa Wales, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 559-0101
7:00-8:00 AM
LWales@ochca.com

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

Used oil filters have not been picked up within the last year. Drums containing used oil and gasoline filters were observed on site. Have the filters picked up and send a copy of the receipt to this agency within 30 days.

On site for a routine hazardous waste inspection. Permission to conduct inspection was granted by John Stice.

Facility generates the following hazardous wastes: waste oil, used absorbent and drained used oil filters.

Containers of hazardous waste were stored closed and properly labeled. Containers appeared to be in good condition.

Manifests were available for review. Facility is assigned and using active EPA ID number CAL000248806. Drained used oil filters have not been hauled within the previous year (see violation). Storage accumulation time for used oil/gasoline filters may not exceed one year from the first date of accumulation. Have the filters removed and send a copy of the manifest/receipt to this Agency within 30 days.

Emergency information is available. Inspected perimeter of facility and found no evidence of hazardous waste runoff.

I declare that I have examined and received a copy of this inspection report.

Print Name and Title COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Signature _____ Date _____

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

SCAN
PR#:
Site Address:

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Facility Address		Facility ID	Record ID
SUCHY TRENCHING	**11501 JEFFREY RD IRVINE, 92602**		**FA0039387**	**PR0044713**
Owner/Operator	Facility Phone No.	Email Address	CERS ID	EPA ID
SUCHY TRENCHING INC	**(714) 633-2733**	**strenching@aol.com**	**10548514**	**N/A**

Inspector Name:	Inspection Date	Purpose of Inspection	Type of Operation
SUMMER HANSEN-ROOKS	**03/06/2018**	**ROUTINE INSPECTION**	**N/A**

Program Description	UNITS	P/E	
HAZARDOUS WASTE SPECIAL GENERATOR		**5110**	

Consent to enter, inspect, and take photos of the facility was given by:

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply; and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status					Viol No.	Summary	
IN	OUT	NA	UD	COS		**Recordkeeping/ Documentation**	
■	□	□	□	□	I352	The facility has an active EPA ID number (unless exempted HSC 25143.13)	
						Manifest	
□	□	■	□	□	I475	Owner/Operator properly prepared manifests for transportation of hazardous waste	
■	□	□	□	□	I474	Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years	
□	□	■	□	□	I376	Owner/Operator sent generator manifest copies to DTSC within 30 days	
■	□	□	□	□	I479	Owner/Operator follows all Consolidated manifest procedures	
						Waste Determination	
□	□	■	□	□	I325	Owner/Operator determined whether waste is a hazardous waste and retained waste analysis for 3 years	
□	□	■	□	□	I637	Generator made a determination if the waste is restricted from land disposal	
						Reporting	
□	□	■	□	□	I723	Generator provided required information for recyclable material to claim the exclusion/exemption	
						Accumulation Time Limits	
■	□	□	□	□	I400	Generator properly labeled all containers or tanks containing hazardous waste as required	
■	□	□	□	□	I053	Generator did not store hazardous waste onsite for greater than 180 days	
□	□	■	□	□	I328	Generator disposed of hazardous waste after 100 Kg threshold amount was accumulated within 90 days	
						Container Management	
■	□	□	□	□	I720	Generator has accumulated all hazardous waste in a containers that are in good condition	

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	11501 JEFFREY RD	IRVINE/CA	92602	03/06/2018

Violation Status	Viol No.	Summary	
☐ ☐ ■ ☐ ☐	I277	UWH manages aerosol cans to prevent fire, explosion, and the unauthorized release of waste	
☐ ☐ ■ ☐ ☐	I465	UWH transfers all universal waste to the appropriate designation facility	
☐ ☐ ■ ☐ ☐	I181	UWH properly processed accumulated waste within one year and/or demonstrated accumulation time	
Electronic Devices/CRT			
☐ ☐ ■ ☐ ☐	I500	UHW of devices/CRTs/CRT glass that doesn't treat waste, submitted to DTSC all required information	

Overall Inspection Comments:

Observed the following hazardous wastes:
- Waste oil, (2) 55 gallon drums
- Used oil filters, (1) 55 gallon drum

Walked through the facility and the perimeter.
Checked trash cans inside the building.

The Emergency Response Plan is posted on the wall outside of the office.

No violations were noted. The ORANGE COUNTY HEALTH CARE AGENCY greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

Violations Observed

Signatures

Received By:

Printed Name: **Thomas Ceballos**
Title: **Foreman**

Issued By:

Printed Name: **SUMMER HANSEN-ROOKS**
Title: **HAZARDOUS MATERIALS SPECIALIST I**
Date: **03/06/2018**
Phone: **(714) 559-1294**
Email: **SHansenRooks@ochca.com**

Hazardous Waste Stream

1/8/2018 @ 18:34 v 2.5

7:30 AM

PR0044713 **SUCHY TRENCHING** Owner Name: SUCHY TRENCHING INC EPA ID: CAL000183770 ✓ active

FA0039387 11501 JEFFREY RD , IRVINE 92602 # of Employees: 4 PE: 5110 Thomas Guide: None

7/2/2018 (01)

Contact(s): MARK SUCHY (949)653-2069 - check #
BOB SUCHY (714)633-2733 - Irene office mgr (copies manifests)
Email: strenching@aol.com

Waste ID	Specific Waste	Location	Max Vol Stored	Units	Form	How Stored	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
WASTE (OR SLOP) OIL (T)	USED ENGINE , HYDRAULIC GEAR OIL	OUTSIDE GARAGE	~~200~~ 110	GALLONS	LIQUID	DRUM >= 55G-METAL	~~220~~ 125	~~220~~ 125	RECYCLED OFF-SITE	STONE, JACK DRAINAGE OIL *O
WASTE (OR SLOP) OIL (T)	USED FILTERS	OUTSIDE GARAGE	~~100~~ 250	ITEMS	FILTERS	DRUM >= 55G-METAL	~~100~~ 250	~~100~~ 250	RECYCLED OFF-SITE	STONE, JACK DRAINAGE OIL *O

Safety Kleen

Process:
METAL BLDG BEHIND 11161 JEFFREY AT THE END OF THE ROAD; NOT REGULARLY STAFFED-CALL FIRST

of Waste Streams: 2

past portola stoaukem helds past
Sandbag - rt. - road to back
road Am. Asphalt

Thomas Ceballos

used oil Safety-Kleen Systems
2/1/18 50 gal
5/2/17 75 gal
filters
1/31/18 1 drum

2 55 gal used oil drums

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	11501 JEFFREY RD	IRVINE/CA	92602	03/06/2018

Violation Status	Viol No.	Summary	
■ □ □ □ □	I314	Generator had no hazardous waste stored in unlined or incompatible containers	
■ □ □ □ □	I617	All containers of hazardous waste were closed except when adding or removing waste	
■ □ □ □ □	I364	Generator inspects all hazardous waste containers at least weekly	
■ □ □ □ □	I452	Generator has all reactive and ignitable waste at least 50 ft from the property line	
□ □ ■ □ □	I118	Generator manages incompatible waste in containers properly as required in Title 22	
		Tank Management	
□ □ ■ □ □	I693	Generator conducts daily inspections of the discharge systems, monitoring equipment, and tank levels	
□ □ ■ □ □	I623	Generator conducts weekly inspections of the construction materials, fixtures, and surrounding areas	
□ □ ■ □ □	I098	Generator maintains 2 ft of freeboard unless the tank is equipped with addtional containment	
		Recyclable Hazardous Wastes	
□ □ ■ □ □	I608	Generator meets hazardous waste requirements for handling/storing/transporting lead acid batteries	
□ □ ■ □ □	I059	Generator follows all spent lead-acid battery storage requirements	
□ □ ■ □ □	I462	Generator meets all the requirements for claimed excluded recyclable materials	
		Disposal	
■ □ □ □ □	I476	Generator used a registered hazardous waste hauler to transport all hazardous waste	
■ □ □ □ □	I585	Generator has properly disposed of all hazardous waste at an authorized location	
		Site Safety	
■ □ □ □ □	I310	Generator maintains at the facility the required emergency equipment or equivalents	
		>5000 Kg	
□ □ ■ □ □	I012	UWH notified the EPA and obtained a federal ID number prior to storing 5,000 kg	
□ □ ■ □ □	I729	UWH obtained an EPA ID number from DTSC prior to storing 5,000 kg of non-RCRA Universal Waste	
		UW Management	
□ □ ■ □ □	I135	UWH labeled all universal waste and identified type of universal waste	

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

SCAN
PR#:
Site Address:
City:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Facility Address		Facility ID	Record ID
SUCHY TRENCHING	**11501 JEFFREY RD IRVINE, 92602**		**FA0039387**	**PR0102780**
Owner/Operator	Facility Phone No.	Email Address	CERS ID	EPA ID
SUCHY TRENCHING INC	**(714) 633-2733**	**strenching@aol.com**	**10548514**	**N/A**
Inspector Name:	Inspection Date	Purpose of Inspection	Type of Operation	
SUMMER HANSEN-ROOKS	**03/06/2018**	**ROUTINE INSPECTION**	**N/A**	
Program Description		UNITS	P/E	
HAZ MAT DISCLOSURE 1-4 CHEMICALS			**5801**	

Consent to enter, inspect, and take photos of the facility was given by:

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply; and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status					Viol No.	Summary	
IN	OUT	NA	UD	COS		**Business Plan**	
■	□	□	□	□	I208	Established and adequately implemented a business plan	
■	□	□	□	□	I292	Adequate completion and electronic submission of a business plan	
□	□	□	■	□	I381	Facility on leased site notified property owner of HMBP and if requested provided copy within 5 days	
□	■	□	□	□	I169	Adequate completion and electronic submission of hazardous materials inventory information	COMPLY BY: 4/5/2018

Inspector Comments:

The facility has not updated the Hazardous Materials Inventory Chemical Description page for motor oil and used motor oil in the California Environmental Reporting System (CERS).
CORRECTIVE ACTION: Update and submit the Hazardous Materials Inventory Chemical Description page for the materials listed above electronically in the CERS. See review comments in CERS.

■	□	□	□	□	I368	Adequate completion and electronic submission of Owner/Operator and Business Activities Forms	
■	□	□	□	□	I632	Adequate completion and electronic submission of annotated Site Map with all required content	
■	□	□	□	□	I736	Adequate completion and electronic submission of Emergency Response Plan and procedures	
IN	OUT	NA	UD	COS		**Annual Certification/ Updates**	
■	□	□	□	□	I463	Annually reviewed and electronically certified that HMBP is complete, accurate and up-to-date	
□	■	□	□	□	I336	HMBP updated within 30 days: chemical inventory, change of address, ownership, or business name	COMPLY BY: 4/5/2018

Inspector Comments:

The business plan has not been updated and submitted to this department to reflect the changes in the chemical inventory. Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).

IN	OUT	NA	UD	COS	**Training**

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	**11501 JEFFREY RD**	**IRVINE/CA**	**92602**	**03/06/2018**

Violation Status					Viol No.	Summary	
IN	OUT	NA	UD	COS		**Training**	
■	□	□	□	□	I551	Training program submitted and adequate for the size of the business and materials handled	
□	■	□	□	□	I239	Initial and annual employee training completed, documented and records made available for 3 years	COMPLY BY: 4/5/2018

Inspector Comments:

Annual training documentation for all applicable employees was not available for review.
If maintained elsewhere, please submit documentation to the Orange County Health Care Agency, Department of Environmental Health inspector, demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.

IN	OUT	NA	UD	COS		**Notification**	
□	□	■	□	□	I311	Actual or threatened release reported to the CUPA and the California OES Warning Center	
□	□	□	■	□	I002	Notified property owner in writing that business is subject to HMBP program and has complied	
IN	**OUT**	**NA**	**UD**	**COS**		**Agricultural Handlers**	
□	□	■	□	□	I759	Agricultural handler exemption requirements are met when not submitting an emergency response plan	
□	□	■	□	□	I760	Agricultural handler exemption requirements are met when not submitting a training program	
IN	**OUT**	**NA**	**UD**	**COS**		**Remote Unstaffed Facility**	
□	□	■	□	□	I758	Remote unstaffed facility exemption requirements are met when not submitting a business plan	

Overall Inspection Comments:

Observed the following hazardous materials:
- Waste oil, (2) 55 gallon drums

Walked through the facility and checked trash cans inside the building.

Explained what the Hazardous Materials Business Plan Program is about and what is required.
Reviewed the Emergency Response/Contingency Plan and Training requirements with Mr. Ceballos.

ATTENTION: There are 3 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	**11501 JEFFREY RD**	**IRVINE/CA**	**92602**	**03/06/2018**

Violations Observed

I336 - Failure to electronically update the Hazardous Materials Business Plan (HMBP) information within 30 days of: (a) A 100 percent or more increase in the quantity of a previously disclosed material. (b) Any handling of a previously undisclosed hazardous material (c) Change of business address. (d) Change of business ownership. (e) Change of business name. HSC 6.95 25508.1(a)-(e)

I239 - Failure to (1) provide initial training and annual training, including refresher courses, to all employees in safety procedures in the event of a release or threatened release of a hazardous material, including, but not limited to, the Emergency Response Plan, and (2) document electronically or by hard copy and make available for a minimum of three years. HSC 6.95 25505(a)(4)

I169 - Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site. HSC 6.95 25506, 25505(a)(1), 25508(a)(1)

Signatures

Received By:

Printed Name: **Thomas Ceballos**
Title: **Foreman**

Issued By:

Printed Name: **SUMMER HANSEN-ROOKS**
Title: **HAZARDOUS MATERIALS SPECIALIST I**
Date: **03/06/2018**
Phone: **(714) 559-1294**
Email: **SHansenRooks@ochca.com**

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC	FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 CAL000287752	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALICIA SAGAL	
FACILITY ID FA0039443	RELATED ID PR0044776	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2018
PROGRAM DESCRIPTION 5112 - HAZARDOUS WASTE GENERATOR 11-25 EMPLOYEE			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Kevin Kirchner, Vice President

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I617	Containers of hazardous waste closed except when adding or removing waste Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak. 22 CCR 12 66262.34(a)(1); 22 CCR 15 66265.173	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

OBSERVATION: The cube containing the waste oil was observed to be open while in storage. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: The containers were immediately closed. This violation was corrected on-site. No further corrective action required.

Container Management

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I400	Labeled all containers or portable tanks containing hazardous waste Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f)	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

1. OBSERVATION: Labels were missing on all waste oil and waste antifreeze containers. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: New labels were provided and placed on all waste drums. This violation was corrected on-site. No further corrective action required.

2. OBSERVATION: The 55-gallon drum of used oil filters was missing a label. All used oil and fuel filters containers shall be marked with the following information: 1) the words "Drained Used Oil and Fuel Filters" and 2) accumulations start date. CORRECTIVE ACTION: New labels were provided and placed on the drums. This violation was corrected on-site. No further corrective action required.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	11159 JEFFREY RD, IRVINE, CA 92602	10548574	10/25/2018

Violation Status	Viol No.	Summary	Violation Degree

Overall Inspection Comments:

Walked throughout the facility. Observed hazardous waste storage areas.

Manifests were available and reviewed.

Employees are reported to be trained.

Emergency plan on site.

No hazardous waste or universal waste observed in the dumpster/enclosure area.

ATTENTION: There are 2 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME: IRVINE VALENCIA GROWERS	FACILITY ADDRESS: 11501 JEFFREY RD, IRVINE, CA 92602
MAILING ADDRESS: 11501 JEFFREY RD, IRVINE CA 92618	CERS ID: N/A EPA ID: CAL000317787
C/O - OWNER: IRVINE VALENCIA GROWERS	INSPECTOR: ALICIA SAGAL
FACILITY ID: FA0040775 RELATED ID: PR0057719 SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE: 10/25/2018
PROGRAM DESCRIPTION: 5112 - HAZARDOUS WASTE GENERATOR 11-25 EMPLOYEE	REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Joe Magdelano, Mechanic

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

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Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I053	Generator did not store hazardous waste onsite for greater than 180 days Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month. 22 CCR 12 66262.34(d)	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

OBSERVATION: The manifests for waste oil and waste antifreeze, indicate that the waste has been stored on site for more than 180 days. Facilities who generate less than 1000 kg of hazardous waste per month and do not exceed 6000 kg of waste stored on site at any time may store waste on site up to 180 days. CORRECTIVE ACTION: The facility had waste oil and waste antifreeze hauled off-site on 9-18-18. Accumulation time limits were discussed with Joe Magdaleno. This violation was corrected on site. No further action required.

Overall Inspection Comments:

Walked throughout the facility. Observed hazardous waste storage areas. Containers were closed and properly labeled.

Manifests were available and reviewed.

Employees are reported to be trained.

Emergency plan was updated and posted in the maintenance yard office.

No hazardous waste or universal waste observed in the dumpster/enclosure area.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
IRVINE VALENCIA GROWERS	11501 JEFFREY RD, IRVINE, CA 92602		10/25/2018

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALLISON MOK	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2018
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

On site for an aboveground petroleum storage tank (APST) inspection.

Facility is regulated under the Aboveground Petroleum Storage Act (APSA). Facility has between 1,320 and 9,999 gallons of regulated petroleum products.

Facility has the following tanks on-site, totaling 6630 gal:
1 x 5600-gallon AST of diesel (split red/clear)
1 x 500-gal AST of gasoline
2 x 55-gallon drums of motor oil
1 x 55-gal drum of hydraulic oil
1 x 55-gallon drum of waste antifreeze
3 x 55-gal AST of used oil
1 x 200-gal trailer of diesel (parked in containment area)

Facility has the following:
1) On site SPCC prepared and implemented. The SPCC plan was created on 6/23/2010 and recertified on 9/1/2015. This document must be recertified every 5 years.
2) Written training records
3) Appropriate secondary containment or diversionary structures
4) Inspection checklists for monthly inspection. SPCC plan states monthly inspection. Observed last inspection dated 10/1/2018.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	**10548574**	**10/25/2018**

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC	FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALICIA SAGAL	
FACILITY ID FA0039443	RELATED ID PR0103382	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 11/13/2018
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

The following documents were received on November 9, 2018 and ACCEPTED on CERS:
- Hazardous Materials Inventory
- Site Map

Violations I169 and I632 cited on10/25/18 have been corrected. No further corrective action required.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME SUCHY TRENCHING	FACILITY ADDRESS 11501 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 3423 E CHAPMAN AVE STE D, ORANGE CA 92859		CERS ID / EPA ID 10548514 N/A	
C/O - OWNER SUCHY TRENCHING INC		INSPECTOR LISA WALES	
FACILITY ID FA0039387	RELATED ID PR0102780	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2021
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous materials inspection. Business has disclosed 1 waste material - used oil. There were no other materials observed on site meeting minimum disclosure thresholds. New oil is maintained below the 55-gallon reporting threshold. Business has conducted annual emergency plan training.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME STICE COMPANY INC		FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 CAL000248806	
C/O - OWNER STICE COMPANY INC		INSPECTOR LISA WALES	
FACILITY ID FA0039431	RELATED ID PR0044764	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Overall Inspection Comments:

On site for a routine hazardous waste inspection with Jeff Stice. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

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INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID 10548574	EPA ID CAL000287752
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0044776	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Overall Inspection Comments:

On site for a routine hazardous waste inspection with Kevin Kirchner. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

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INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Violation Status	Viol No.	Summary	Violation Degree
Facility Description/Storage/Diagram			
☐ ■ ☐ ☐ ☐	I011	SPCC Plan addresses the type of oil and storage capacity for all fixed and portable containers Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities. HSC 6.67 25270.4.5(a); 40 CFR 1 112.7(a)(3)(i)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Add the 55 gallons of hydraulic oil to your SPCC plan and send verification via new tank facility page or complete SPCC plan to this Agency within 30 days.

Overall Inspection Comments:

On site for a routine aboveground storage tank inspection. Business' SPCC is on site and was reviewed on 11/8/2018. A review of the plan shows that the 55 gallons of hydraulic oil is missing from the tank facility information. Add the hydraulic oil to you SPCC plan and review to be sure that the plan covers the additional material. Either forward a copy of the new tank facility statement page and review date or forward a copy of your entire plan within 30 days.

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SIGNATURE(S) OF ACKNOWLEDGEMENT

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	10548574	11/08/2021

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0103382	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Inventory**	
☐ ■ ☐ ☐ ☐	I169	Complete Hazardous Materials Inventory information electronically submitted Failure to electronically submit complete and accurate hazardous material inventory forms information for all reportable hazardous materials on site at or above quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Kevin Kirchner. Business has disclosed 8 materials. While on site, it was observed that business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.

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SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	10548574	11/08/2021

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME: STICE COMPANY INC		FACILITY ADDRESS: 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS: 10851 JEFFERY RD, IRVINE CA 92602		CERS ID: 10548562	EPA ID: N/A
C/O - OWNER: STICE COMPANY INC		INSPECTOR: LISA WALES	
FACILITY ID: FA0039431	RELATED ID: PR0104557	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE: 11/8/2021
PROGRAM DESCRIPTION: 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Inventory**	
☐ ■ ☐ ☐ ☐	I169	Complete Hazardous Materials Inventory information electronically submitted Failure to electronically submit complete and accurate hazardous material inventory forms information for all reportable hazardous materials on site at or above quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Jeff Stice. Business has disclosed 5 materials. While on site it was observed that business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.

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SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
STICE COMPANY INC	**10851 JEFFREY RD, IRVINE, CA 92602**	10548562	11/08/2021

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 11/17/2021
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Received and reviewed updated tank facility page and reviewed changes to SPCC plan. All materials have been reported and violation I011 is abated. CERS submittal has been reviewed and accepted - business has updated the total petroleum storage information and SPCC plan date.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
NAKAE & ASSOCIATES INC	11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS		CERS ID / EPA ID	
11159 JEFFERY RD, IRVINE CA 92602		10548574 N/A	
C/O - OWNER		INSPECTOR	
NAKAE & ASSOCIATES INC		LISA WALES	
FACILITY ID / RELATED ID / SERVICE:			INSPECTION DATE
FA0039443 / PR0103382 / F04 - REINSPECTION - OFF-SITE			11/17/2021
PROGRAM DESCRIPTION			REINSPECTION DATE:
5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

REviewed and accepted HMBP submittal. Business has added missing brake cleaner to the submittal. Violation I169 is abated.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

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INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC		FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 1/19/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Outstanding violation: I169 - On 11/8/21 this agency conducted an inspection at this facility and identified 4 cylinders of propane stored above the reporting threshold. Add the propane to the inventory in the CERS portal and resubmit please.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC	FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 3/7/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Outstanding violation: I169 - Propane cylinders were identified by this agency during an inspection. Add propane to the chemical inventory in CERS. Correct the violation immediately.

VIOLATIONS OBSERVED

I463 - Business plan reviewed and electronically certified as complete/accurate on or before the due date Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508.2

The annual electronic CERS submittal was due on 3/1/22. Login to CERS and complete the submittal within 30 days.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC	FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 3/8/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

VIOLATIONS OBSERVED

I463 - Business plan reviewed and electronically certified as complete/accurate on or before the due date Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508.2
The annual electronic CERS submittal was due on 3/1/22. Login to CERS and complete the submittal within 30 days.

Outstanding violation: I169 - Propane cylinders were identified by this agency during an inspection. Add propane to the chemical inventory in CERS. Correct the violation immediately.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME SUCHY TRENCHING	FACILITY ADDRESS 11501 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 3423 E CHAPMAN AVE STE D, ORANGE CA 92859		CERS ID / EPA ID 10548514 CAL000183770	
C/O - OWNER SUCHY TRENCHING INC		INSPECTOR LISA WALES	
FACILITY ID FA0039387	RELATED ID PR0044713	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2021
PROGRAM DESCRIPTION 5110 - HAZARDOUS WASTE SPECIAL GENERATOR			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous waste inspection with Bob Suchy. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

COUNTY OF ORANGE
REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

TC013
(525)

ACTIVITIES REPORT

COMPANY NAME/DBA: OC Shooting & Training Center
ADDRESS: North Exit — Jeffrey Rd (1155 Jeffrey Rd) — Irvine, CA
CITY: (10) Irvine STATE: CA ZIP CODE:
CONTACT: Phone: Fax: (92602)

DATE	STAFF	
12-13-02	Lodriguez	Received Clos. Report (Exam Report. Reviewed case file for Final Closure consideration. Started Clos. Rationale. Called Debbie - OCTC Range staff. Asked her to inform Jon Buck of total vol. of soil disposed of, & request manifest (copies w/ original - COC - July 7/02 sampling.
12-16-02	Lodriguez	Prepared Closure rationale; awaiting advise from ATC re: disposal manifests / COC original (7/7/02 sampling).
12-17	Lodriguez	Completed Closure Rationale; sent/faxed/mail to Kameron for review.
12-19	Lodriguez	Talked to Jon Buck & told him to send me some of the COC's. I received them late this morning.
12-24	Lodriguez	Prepared map for Kameron pt: location of OCSTC. Faxed to Kameron. Kameron called back & left message that case can be closed.
1/3	Lodriguez	Prepared closure letter, sent for posting.
1/3	Lodriguez	Closure protocol; closed case.

COUNTY OF ORANGE
REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

ACTIVITIES REPORT

96IC13
(533)

Company Name: OC Shooting & Training Center

Address: North East of Jeffrey Rd (11501 Jeffrey Rd) - Unincorporated O.C.

City: Irvine State: _____ Zip: ~~92718~~ 92602

Contact Person(s): Jon (Office) 661-831-1646
CP 661-979-1828 Phone: _____

Date	Staff	Activities/Comments
5-2-2002	L. Rodriguez	Called ACC / left message w/ Debbie. To date have not returned call & voided sampling set on 5/3rd. Msg @ 11:20 AM.
5-8-02	Rodriguez	Called ACC - confirmed sampling today. Out site for confirmation sampling of EC stations #s 12 & 13. Approx. ~~2nd~~ tons of Pb-impacted soil shipped out to NV.
5-22	Rodriguez	Faxed to Brian K (Crosline) request for original COC + LR (7/7/00 sampling)
5-23	Rodriguez	Reviewed lab results faxed by Zymark: only one spot w/ 750 ppm total Pb - to be tested for sol Pb.
5-24	Rodriguez	Talked to Jon Buck: told him that if sol. Pb is ≥ 5 mg/l, then soil is classified as haz waste if removed from site. If stockpile is covered, it may be left in place, but properly noted on closure letter for future reference.
6-17	Rodriguez	Reviewed lab report on soil sampling (5/8/02): only one sample above STLC (Cistern #1 @ 6').
8-9	Rodriguez	Call from Jon Buck: Set confirmation sampling Aug. 26 (Mon).
8-26	Rodriguez	On site for confirmation sampling of SW-1 that tested 97 mg/kg TPb (12 mg/l SPb).
9-10	Rodriguez	Talked to Jon re: soil program report & told him we can close file. Jon to call back. Also called, left message re: original COC & LR to be received today or tomorrow.
9-12	Rodriguez	Received original LR but only copy of COC. Emailed Ryan for original.

COUNTY OF ORANGE
REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

96 IC 13
(Pot # 533)

ACTIVITIES REPORT

Company Name: Orange County Shooting & Training Center File

Address: North Extension of Jeffrey Rd. (11501 Jeffrey Rd)

City: (10) Irvine State: CA Zip: 92602

Contact Person(s): Jon Buck - (661) 831-1636 Phone:

Date	Staff	Activities/Comments
2-13 2002	Luis Lodriguez	Re-opened case file. Reviewed file; reviewed proposal faxed by ACC.
2-14-02	Lodriguez	Phone conversation w/ Jon Buck re: depth of sampling, sampling schedule (2/21/02). Reviewed file.
2-19-02	Lodriguez	Returned Jon Buck's call - confirmed sampling scheduled Thursday, 2/21/02.
2-21-02	Lodriguez	@ site for sampling 7 wells for potential Pb contamination (weighted).
3-1-02	Lodriguez	Call from Jon Buck; he will do step-out assessment of Pb-impacted sample locations relative to cleanup standards, + will call OCHCA before doing so.
3-5-02	Lodriguez	Reviewed lab report - 9 locations NT >10 ppm Pb concentrations. Called Jon Buck - asked for analysis of leaper clay-pits from these locations if he paid lab directly (had requested so). He will also be on site for step-out assessment, and will call in case I wanted to be @ site.
3-8-02	Lodriguez	Received / reviewed lab report on step-out sampling. Results: apparently 2 locations still have lead levels of >1000 ppm Pb. Some additional need to be tested for soluble Pb to determine if Pb has gone down. Call from Jon B: he prepared to run STLC, prepare a profile of impacted soil to be removed, + submit to plan for remedial excavation.
3-11-02	Lodriguez	Received lab report on STLC (WET) analysis + reconciled with previous TTLC results.
4-5	Lodriguez	Call from Jon Buck: will schedule excavation + confirmation sampling mid-April.
4-16	Lodriguez	@ site for confirmation sampling of initial excavation (done for testing in NV - disposal purpose). Asked for

COUNTY OF ORANGE
REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

96IC13

ACTIVITIES REPORT

Company Name: Orange Co. Shooting & Training Center

Address: North Eitn - Jeffrey Rd

City: (10) Irvine State: Zip: 92602

Contact Person(s): Jonathan Busk / AEC 661-831-1646 Phone: (661) 979-1828
e-mail address - advanced@lightspeed.net

Date	Staff	Activities/Comments:
7-7-00	Luis Lodriguez	Scheduled conf. sampling of base of stockpile. Need also disposal documents. Reviewed case file.
		Advise Jon Busk for sampling of former stockpile base.
10-31	Lodriguez	Called AEC; Debbie returned call, and I told her to provide me with originals - COC + Lab Report file for closure review.
		Talked to Jon Busk and clarified some issues: only planning basin cleanup / All of the imported soil - 1210 yds & 162 yds in undisturbed condition.
11-3	Lodriguez	Talked to Debbie / she'll look for additional manifests & requested - to complete closure requirements.
2-22-01	Lodriguez	Reviewed letter dtd. Jan. 8/2001 re: discrepancy between excavated & disposed Th-impacted soil. Reviewed file.
2-23	Lodriguez	Talked to Jon Busk about soil disposal issue. He said 100 yds have been taken to stockpile but was not sure - due to the fact that the report did not so state definitively any mention of uncertainty of final disposition of Th-impacted soil. I suggested that the case be simply terminated. Jon will contact the Irvine Co (Pete Changala) and get back to OCHCA. Jon Busk called back: Pete Changala said that case termination was the best option at this time since both the case can be revisited later should development be planned.
3-12	Lodriguez	Request Memo to File re: Case Termination
5-1-2001	Lodriguez	Terminated case

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

96 IC13

Company Name: Org. County Shooting & Training Center

Address: North Extn. - Jeffrey Rd (East Hicks Canyon)

City: (10) Irvine State: _____ Zip: 92780

Contact Person(s): Jon Buck AEConcepts Con(sor) Phone: 859-9046

Date	Staff	Activities/Comments
7-19-96	Luis Lodriguez	Arrived at site 10:52 AM. Awaited Jon Buck; walked on to a standing person to inquire. After 20 minutes, drove up close to excavation/ grading area to the northwest: no sign of Jon. Left site at 11:30 AM. Intended Sampling D.T. Called Jon Buck 12:19 after receiving message he left @ 11:15 AM saying he was looking for me; I left message to re-schedule sampling sometime next week.
7-22-96	Luis Lodriguez	Phone conversation with Jon Buck: we missed each other, despite of his [illegible] route. He, however, took samples from area excavated and will prepare report.
9-4-96	Luis Lodriguez	Met with Dennis Patton, Env. Contractors Corp - who explained what ECC has done on site so far as removal of Pb-contaminated soil is concerned. He also submitted copy of report of remediation, which had originally been done under DTSC's voluntary cleanup program but which has apparently been nullified due to OCSTC's filing of bankruptcy. ECC/Dennis will contact the Irvine Co. to work out closure.
9-11-96	Luis Lodriguez	Called Jon Buck - left message.
9-16-96	Luis Lodriguez	Called Jon Buck - left message. Jon B. returned my call. He said he believes ECC did a good job at the site and that I should go ahead and review the report as part of Irvine Co. (as landowner) remediation. He'll call Pete Clanzibe to ask about the Pb-contaminated soil still not disposed of (?)
6-30-2000	Lodriguez	Talked to Jon Buck re: sampling of base of former stockpile - Pb-impacted soil hauled off for treatment. Set sampling July 7 (Friday) 2000 @ 9:00 AM.

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

96 IC13

Company Name: Orange County Shooting & Training Center

Address: No. Side of Jeffrey Rd (East Hicks Canyon)

City: (10) Irvine State: _____ Zip: 92720

Contact Person(s): Peter Changala
Jon Buck AEConcepts

Phone: (805) 831-1646
Ca Ph (805) 834-9046.

Date	Staff	Activities/Comments
5-9-96	Luis Lodriguez	Call from Jon Buck, saying Closure Report should be on its way, and asking what "closure" can be obtained from HHA.
5-10 96	Luis Lodriguez	Called Jon B: message/Debbie will get him on cell phone to tell him to call HHA, Report mailed yesterday - should have it anytime.
5-13-96	Luis Lodriguez	Received report(s) on soil excavation of Pb impacted soil. Called Jon for 3 questions - two re: boundaries and one re: received sample analyses. Received fax of lab report showing missed & unanalyzed samples duplicate analysis - although 3 samples came from one sample location, need therefore cannot serve for comparison purposes.
5-14-96	Luis Lodriguez	Continued preparation of Closure Summary Report - called Jon B for questions re: limits of excavation and results of STLC analyses.
5-15-96	Luis Lodriguez	Continued with Clos. Report preparation.
5-16-96	Luis Lodriguez	Clos. Report prep. Received letter from DTSC stating that it has opted for DTSC's voluntary Site Mitigation Program.
5-21-96	Luis Lodriguez	Reviewed with Supervisor (Bill Dickman) implications of "closure" where only soil removal had been accomplished on site. Called Jon Buck to find out projected course of action for addressing excavated & stockpiled Pb-impacted soil - not available (out of town).
5-22-96	Luis Lodriguez	Revised "Summary report."
5-28-96	Luis Lodriguez	Finalized letter re: completion of excavation of Pb-impacted soil, to division for typing.
7-16-96	Luis Lodriguez	Call from Jon Buck: he scheduled sampling of soil adjacent to, rather removed material for Friday 7-19-96 @ 11:00 AM.

COUNTY OF ORANGE
ENVIRONMENTAL HEALTH DIVISION
WASTE MANAGEMENT AGENCY

ACTIVITIES REPORT

96 IC 13

Company Name: Orange County Shooting & Training Center

Address: Northern Extension of Jeffrey Road (East Hicks Canyon)

City: (o) Irvine State: _____ Zip: 92720

Contact Person(s): Peter Changala
Jon Buck (AES, Inc.)

Phone: (805) 831-1646

Date	Staff	Activities/Comments
4-8-96	Luis Lodriguez	Called Jon Buck after receipt of report; asked him to have R.P. send this Agency letter re voluntary oversight.
4-10-96	Luis Lodriguez	Requested via fax revised, more precise letter.
4-11-96	Luis Lodriguez	Received revised letter; opened case file. Reviewed Soil Excavation Report. Prepared notification letter + request for oversight + to clerical for posting.
		Called Jon B: asked about future disposition/timetable of stockpiled soil. Irvine Co. will try best to dispose of it within 90 days. I also asked for additional confirmation samples, and site inspection.
		Talked to Jon again: he said he had 2 samples squeezed tubes in the investigation and analyzed. Pb levels in received samples were not hazardous.
4-17-96	Luis Lodriguez	At site to meet Jon Buck. Walked over scraped area and noticed several spots where lead (Pb) shot had accumulated. According to Jon, these were not there three weeks ago. He will do additional scraping and conduct another confirmation sampling. He'll give me a call tomorrow or Friday.
4-18-96	Luis Lodriguez	Jon Buck called: he was going to scrape some more surface soil, and wanted me to witness confirmation sampling (time: between 1:00 & 2:00 pm). At site and witnessed collection of 3 samples of re-scraped clayey soil; no lead shots were visible at the time.
4-26-96	Luis Lodriguez	Started preparation of closure summary/report. Called Jon Buck and requested a complete sample location map, other pertinent information. He said a new report is being prepared and will be sent to HCA as soon as completed/reviewed.

.C/OCUST PROGRAM
INPUT FORM

☐ New Record

☑ Existing Record

Record ID#: RO 0000533 Local Site #: 96IC13

Location Tab

Site Name: O.C. Shooting & Training Center (Max 30 Characters)

Site Address:

St No: 11501 St Dir: _____ St Name: Jeffrey Road (Max 25)

Unit: _____ City Code: 10 City: Irvine

State: CA Zip: 92602

Designated Employee #: EE0000219 Current Status (**Circle one**): (01 - Active and Billable / 02 - Inactive and Non-Billable

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Dates & Info Tab

Reported: 2/13/02 Case Closed Date (Ended): 1/1
(Previously "Terminated" 5-1-01)

Financial Tab

Program Element: (7310) / 7220 (**Circle One**)

Responsible Party

Name: Peter Changaja (Contact Name) (Max 30 Characters)

Address: 550 Newport Center Drive (Max 30 Characters)

City, St, Zip: Irvine, CA 92660 Newport Beach

Phone: 949-720-2292

Representing: The Irvine Company (Company Name)

User Defined Fields Tab

Chemicals Spilled 4oil, w (Pb)

How Disposed _____ Amount of Soil Treated/Disposed Offsite _____ tons

Remediation Technology Water _____

Remediation Technology Soil L. Excav./Removal

Revised 12/19/01

ENTERED FEB. 13 2002

COUNTY OF ORANGE/HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH
2009 E. Edinger, Santa Ana, CA 92705
(714) 667-3700

SITE MITIGATION/CLEANUP REPORTING FORM

Case No.: 96 IC13

Account No.: _____

Date Received: 4-11-96

DBA: Orange County Shooting & Training Center

Address: Northern Extension of Jeffrey Road

City: (10) Irvine Zip: ~~92720~~ 92602

Responsible Party: Peter Changala

Mailing Address: The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Chem ID: 407 w - Pb (pellets/Compounds) _____ _____

How Discovered: 4 Leak Type: 98-

Leak Cause: 98- Affected Resources: 3

Remediation Technology (Water): _____ _____ _____

Remediation Technology (Soil): _____ _____ _____

Amount of contaminated soil taken off-site for treatment: _____ tons

Amount of contaminated soil taken off-site for disposal: _____ tons

How disposed: _____

Completed By: Luis Zaragoza 4-11-96

cc: Debbie Chung 4-11-96
cc. Robyn Lawrence 7-7-00

COUNTY OF ORANGE
HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

STEVEN K. WONG, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3600
FAX: (714) 972-0749
E-MAIL: environhealth@hca.co.orange.ca.us

Excellence
Integrity
Service

January 2, 2003

Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Subject: **Case Closure**

Re: Orange County Shooting & Training Center
11159 Jeffrey Road
Irvine, CA 92602
OCHCA Case #96IC013

Dear Mr. Changala:

This letter confirms the completion of remedial action at the above-referenced site. 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 confirmation of completion is limited in scope. It is limited to site conditions made known to this Agency under the above-referenced case number. It is based on an evaluation of the health threat presented by the inhalation, ingestion, or dermal absorption of the residual contaminants. In addition, this evaluation considered the present and proposed use of the property. Changes in the present or proposed land use may require further site characterization and/or site mitigation activity.

The presence of the lead (Pb) or lead compounds and the potential for residual contamination to cause groundwater degradation were discussed with Kamron Saremi of the Santa Ana Regional Water Quality Control Board. Regional Board staff concurred 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. It is the property owner's responsibility to notify this Agency of any changes in future contamination findings or site usage.

If you have any questions regarding this matter, please contact Luis Lodrigueza at (714) 667-3717.

Sincerely,

Karen L. Hodel
Program Manager
Hazardous Materials Mitigation Section
Environmental Health Division

KLH:LL:

cc: Ann Sturdivant, Santa Ana Regional Water Quality Control Board
Jonathan L. Buck, Advanced Environmental Concepts, Inc.

IC:ocstc.closure/lal

Closure Rationale

OCHCA Case No.: **96IC013**

December 24, 2002

D.B.A.: **Orange County Shooting & Training Center**
11159 Jeffrey Road
Irvine, CA 92602

Responsible Party: The Irvine Company

Current Land Use: Equipment Storage Yard
Current Adjacent Land Use: Vacant/Retarding Basin
Future Land Use: Equipment Storage Yard

Table I - Nature and Degree Contamination

Contaminants	Maximum Detected Concentrations in Soil (mg/kg)		Cleanup Goals (mg/kg)
	Initial	Final	
Lead (Pb)	2,400 (0.5 ' bg*) 280 (3' bg) 20 (4' bg)	18 (1' bg) 20 (4' bg) 4.6 (6' bg)	< PRG^-industrial: 750 mg/kg

*Below grade ^US EPA Region IX Preliminary Remediation Goal Tables

Soil Type: Sand to silty sand
Depth to Groundwater: >80 ft bg, estimated
Deepest Known Remaining Contamination: 4.3 mg/kg Pb (7' bg)

The Orange County Shooting & Training Center (OCSTC) operated at a portion of the East Hicks Canyon as a shooting range for several years until December 1995. Portion of the property was slated for the construction of a retarding basin and as a right-of-way for the Eastern Transportation Corridor (ETC), and the property owner, The Irvine Company, decided to address the lead-contaminated soil that was assumed to be present in this specific area as a result of OCSTC's operations. Mitigation of the remaining areas where most of the lead-impacted soil was concentrated—designated as 'major impact zones'—would be undertaken by OCSTC and is not included in this case.

After determining the extent of lead-impacted soil in proposed locations of the retarding basin/right-of-way, the owner's consultant, Advanced Environmental Concepts, Inc. (AEC), proceeded to remove impacted material during March and April 1996 under agency oversight. Confirmation sampling in the excavated areas, witnessed by OCHCA staff, showed that all lead-impacted soil had been removed from the target areas. The approximately 1,210 cubic yards of excavated soil was stockpiled on the eastern flank of the hill west of the (East Hicks) canyon for future disposal. On May 28, 1996, OCHCA issued a letter to the Irvine Company certifying to the completion of remedial excavation of the retarding basin and right-of-way areas but noted that case closure would be granted only upon proper disposal of the stockpiled impacted soil.

During AEC's excavation activities in March and mid-April 1996, Environmental Contractors Inc. (ECO) was also excavating and stockpiling lead pellet-contaminated soil from the major impact zones of the former shooting range, under contract with OCSTC, for the recovery ('mining') of lead/other metals. AEC demobilized its equipment and vacated the property in late April 1996 while ECO was still completing its excavation activities.

In May 2000, AEC returned to the property to address the stockpile it had left in April 1996. AEC then observed that the stockpile was no longer where it used to be. Instead AEC found loose soil piled together with scrap metals, concrete blocks, cables and other construction debris piled in the southern part of the current Nakae Landscaping storage yard—at the floor of the East Hicks Canyon that ECO had earlier excavated. The current Nakae Landscaping yard was formerly used as equipment/materials storage area during the construction of the ETC until its completion in late 1999. AEC postulated that the original impacted soil it had stockpiled was also 'mined' by ECO together with the other lead pellet-impacted materials ECO excavated from the major impact zones of the former OCSTC shooting range. AEC believed that the 'mined out' spoils dumped with other construction debris in the Nakae yard would likely be the remainder of the original stockpile. AEC therefore proceeded to segregate the large debris from the soil that noticeably still contained lead shots. AEC transported the concrete and metals to appropriate crushing/recycling facilities and

re-excavated the rest of the soil, transporting some 238 tons (162 cubic yards) of the latter to the U.S. Ecology treatment facility in Beatty, Nevada (manifests are on HCA file). Confirmation sampling of the base of the stockpile was conducted in July 2000 under the direction of Agency staff. When test results showed that remaining soil contained less than 50 mg/kg Pb, AEC requested that case closure be granted for the basin/right-of-way site. OCHCA denied closure and asked that the remaining volume of impacted soil be accounted for.

In February 2002 AEC submitted a work plan for assessing the entire Nakae Landscaping yard for any remaining lead-contaminated soil. Based on inspection of the site, AEC found no other location within the property that could have been the repository of the 'missing' impacted soil except the Nakae yard, since the rest of the site stood at higher elevations and were obviously of native soil or weathered bedrock. Presumably, this portion of the canyon was restored by ECO after its metal recovery operations, then further built up with fill material from the immediate vicinity, including the 'mined out' spoils from ECO's metal recovery operations and, most probably, AEC's stockpile. Upon Agency approval of its work plan, AEC outlined 14 grids within this portion of the canyon and collected discrete soil samples from 13 grids at depths of ½' and 3' to 7' below grade (one grid could not be sampled due to the presence of underground utilities). These were analyzed for total lead (Pb) by EPA Method 6010B, and test results showed up to 20 mg/kg Pb from ten (10) of the grids—all within the cleanup goal. Three grids (#s 6, 12 and 13), however, showed Pb concentrations from 76 mg/kg up to 2,400 mg/kg at depths of ½' to 5' below grade. Three of the samples that showed total Pb of more than 50 mg/kg but less than 750 mg/kg were re-analyzed for soluble Pb using the waste extraction test (WET). Results showed soluble Pb at 'hazardous waste' concentrations of >5 mg/l. Soil from all three grids that showed above-goal Pb concentrations was excavated and stockpiled on site. Confirmation samples of the floors and walls of the excavations were obtained under supervision by Agency staff and tested for total Pb. Five samples showed unacceptable Pb concentrations, and AEC again removed impacted soil from the walls and floors of the three excavations until final confirmation sampling indicated that remaining in situ soil contained Pb at concentrations below the cleanup goal. Approximately 233 tons (159 cubic yards) were excavated during this remedial episode and transported to the US Ecology treatment facility in Beatty, NV (manifests are on HCA file).

The 471 tons (321 cubic yards) of lead-impacted soil excavated and disposed of by AEC is roughly a little more than a quarter of the amount of the original stockpile AEC left in 1996. Since no other location within this part of the property appears to have been backfilled, the 'missing' impacted soil can only be assumed to have been either buried in the canyon much deeper than the upper 7-ft soil layer sampled and addressed by AEC or used by contractors as fill material during grading activities at the ETC construction site. Given the plausibility of the ultimate fate of the remaining portion of the missing stockpile just proposed, the issue of impacted soil disposal that earlier thwarted closure appears to have been resolved.

Residual soil left after the excavation and disposal of (1) the relocated AEC 1996 lead-impacted stockpile (during May-July 2000) and (2) additional lead-impacted soil (during 2002) contains Pb at concentrations below the cleanup goal, and is thus not likely to pose any significant threat to human health, safety or the environment. Given also the most probable fate of the rest of the 'missing' impacted soil (as deep canyon fill or ETC base material—neither of which is likely to pose a significant health or environmental risk), it is recommended that no further action be required for the retarding basin and right-of-way areas of this property and that this case be closed.

Kamron Saremi of the Santa Ana Regional Board was contacted regarding this and he concurred with closure.

12/27/02 12/30/02

Luis Lodrigueza
Hazardous Waste Specialist

IC:OCSTC.closure/lal

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TELEPHONE: (714) 667-3655
FAX: (714) 568-5116
E-MAIL: environmentalhealth@ocgov.com

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THE FOLLOWING PAGES ARE FOR:

Name of Individual: Kamran Saremi

Telephone Number:

Firm Name: SA RWQCB

Documents Transmitted: Maps Showing Location of O.C. Shooting & Training Center

Comments:

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THE FOLLOWING PAGES ARE FOR:

Name of Individual: Kamron Sarerni

Telephone Number:

Firm Name: SA RWQCB

Documents Transmitted: Maps Showing Location of O.C. Shooting & Training Center.

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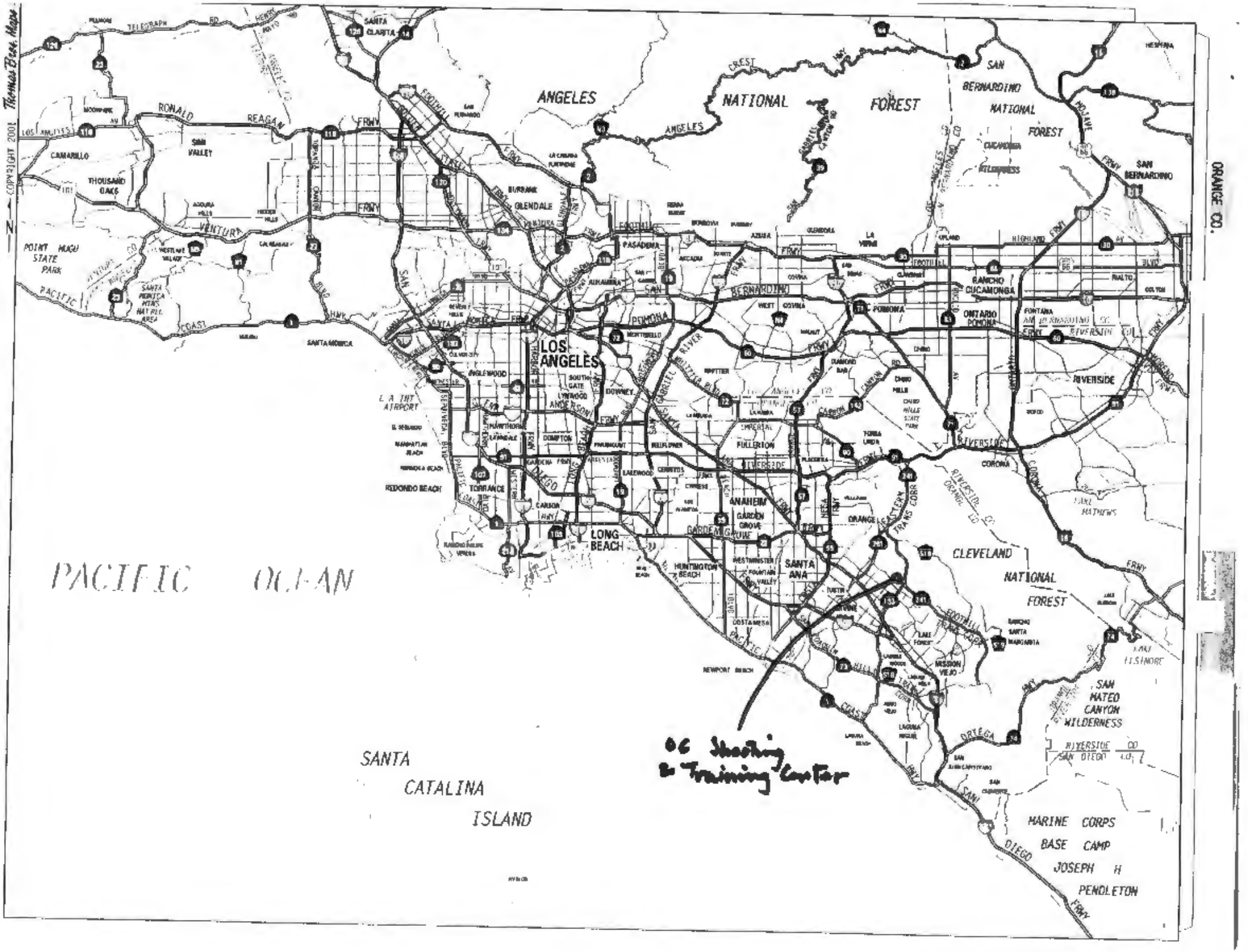
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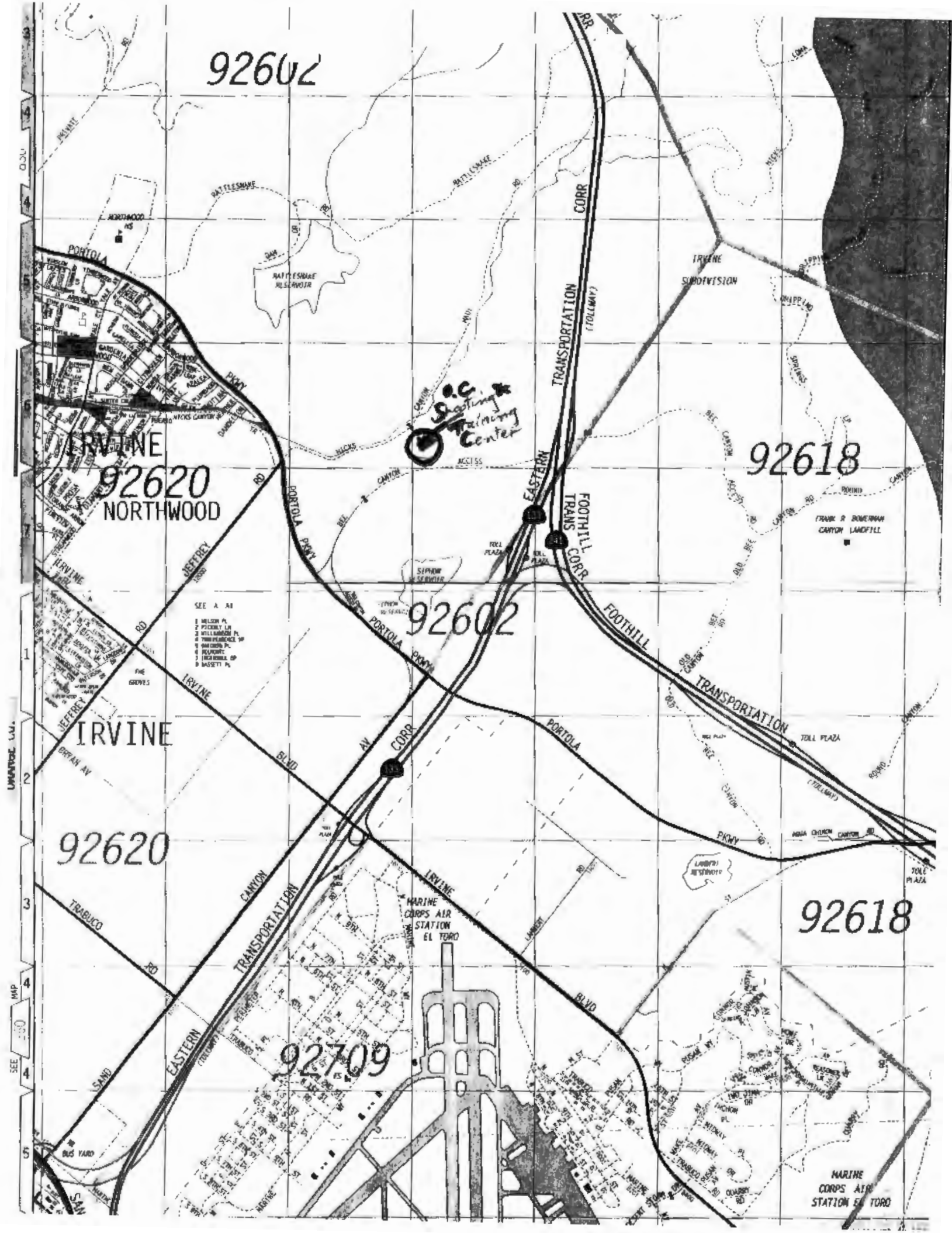
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SAN VALLEY
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L A INT AIRPORT
CLEVELAND NATIONAL FOREST
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OC Shooting & Training Center


92602
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92620
NORTHWOOD
92618
92602
IRVINE
92620
92618
92709
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JEFFREY RD
IRVINE BLVD
BRYAN AV
TRABUCO RD
SAND CANYON
EASTERN TRANSPORTATION CORR (TOLLWAY)
FOOTHILL TRANSPORTATION CORR
FOOTHILL TRANSPORTATION CORR (TOLLWAY)
I.C. Shooting Training Center
MARINE CORPS AIR STATION EL TORO
IRVINE SUBDIVISION
FRANK R BOWERMAN CANYON LANDFILL
TOLL PLAZA
BUS YARD
SEE A-10 MAP

COUNTY OF ORANGE

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SANTA ANA, CALIFORNIA 92705
(714) 667-3700

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

May 28, 1996

Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Subject: Excavation of Lead-Contaminated Soil

Re: Orange County Shooting & Training Center - Retarding Basin/Spillway Area
Northern Extension of Jeffrey Road at East Hicks Canyon
Irvine, CA ~~92720~~ 92602
O.C.H.C.A. Case # 96IC13

Dear Mr. Changala:

Please be advised that this Agency has reviewed the April 1996 reports on the subject activity prepared by your consultant, Advanced Environmental Concepts, Inc. The lead pellet-contaminated soil in the immediate vicinity of the future retarding basin/spillway area (which reportedly will also be transected by the Eastern Transportation Corridor) was excavated and stockpiled in an area west of the excavation site. 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 the lead-contaminated soil in the area specified in the above-referenced location has been adequately addressed at this time.

Please note, however, that although the excavated and stockpiled soil contains TTLC lead concentrations (in sieved samples) of less than 1,000 mg/kg, lead levels still exceed DTSC's action level of 130 mg/kg and therefore represent a potential health hazard if left untended. This Agency will thus consider case closure for the above-referenced location only after demonstration that the stockpiled soil has been properly treated and/or disposed of.

If you have questions regarding this matter, please contact me at (714) 667-3717.

Very truly yours,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
Jonathan L. Buck, Advanced Environmental Concepts, Inc.
William J. Diekmann, Supervising Hazardous Waste Specialist

Summary: Completion of Pb-Impacted Soil Excavation

O.C.H.C.A. Case No.: **96IC13** May 16, 1996

D.B.A: Former **Orange County Shooting & Training Center**
North Extension of Jeffrey Road (East Hicks Canyon)
Irvine, CA 92720

Responsible Party: Orange County Shooting & Training Center
Property Owners: Peter Changala/The Irvine Land Management

Current Land Use: Undeveloped vacant lot
Future Land Use: Retarding basin/spillway; ETC right-of-way
Current Adjacent Land Use: Undeveloped vacant lot
Additional Information: The Eastern Transportation Corridor is to transect this area, but present information indicates that a 'bridge' will be constructed over the area.

Contaminant of Concern: Lead (Pb)
Maximum Detected Contamination: 64,900 mg/kg Total Pb (unsieved sample*)
66.6 mg/l Soluble Pb (unsieved sample)
Highest Known Remaining Concentration in Soil : 138 mg/kg Total Pb (ground surface)
Deepest Known Remaining Contamination: 83.4 mg/kg Total Pb (8" bg)
Preliminary Remediation Goal (PRG): 1,000 mg/kg (ppm)
Total Threshold Limit Concentration (TTLC): 1,000 mg/kg
Action Level, DTSC: 130 mg/kg
Soil Type: Silty clay to clay
*All sieved samples tested less than (<) 1,000 mg/kg total Pb

The Orange County Shooting & Training Center (OCSTC) operated at this East Hicks Canyon sector as a shooting range for several years, utilizing the western section as a rifle range and the eastern section as a trap and skeet range. OCSTC vacated the leased site more than a year ago, leaving behind Pb pellet-contaminated soil within a 1,000-foot perimeter of the range, with isolated highs some 300 ft beyond this perimeter. Because a portion of this property is to be used for the development of a retarding basin/spillway, and as a right-of-way for the Eastern Transportation Corridor, the property owner decided to address whatever contaminated soil may be present in this specific basin/spillway area.

Visual survey of the north, east and west sectors of the trap & skeet firing line revealed widespread Pb-contaminated soil, and initial soil sampling conducted at some 50 points on March 7-8, 1996, at grade levels, and at 18" below grade (bg) in two spots, showed a total of approximately 4 acres of impacted area, including the future basin/spillway section.

Excavation of impacted soil from March 25 to April 1, 1996 was thus concentrated in the retaining basin/spillway location, down to some 6" to 8" bg. Pb-impacted soil was removed and stockpiled for future disposition. Analysis of twenty confirmation samples indicated that elevated levels of Pb were still present in some spots, which led to the scraping of additional impacted soil down to a clay layer at 12" bg. A total of 855 cubic yards of contaminated material was removed during this period., Confirmation sampling of the re-scraped sections showed acceptable levels of less than 50 mg/kg Total Pb.

On April 17, 1996 a site walk-through was conducted of the excavation. It was discovered that identifiable Pb pellets were still present in isolated portions; re-excavation was thus again conducted the day after the inspection. Results of confirmation sampling showed N.D. to a maximum of 9.4 mg/kg Total Pb. An additional 355 cubic yards of impacted soil was generated from this operation; this was stockpiled with the previously excavated soil some 600 feet west of the excavation site (also for future disposition).

More Pb pellet-contaminated soil is present beyond the excavation limits dealt with in this summary, and this will need to be remediated. OCSTC's letter post-dated May 15, 1996 indicates that, since OCSTC has opted to participate in the State's voluntary site mitigation program, the remaining Pb-impacted soil not addressed here will henceforth be properly handled by the DTSC. For the area of the retaining basin/spillway, however, all known significantly Pb-impacted soil has apparently been removed and stockpiled on site. HCA can thus certify to the completion of soil removal activity. Specific (retaining basin/spillway) site closure would be considered only after proof of proper soil disposition of the stockpiled soil has been submitted to this Agency.

Luis Lodrigueza
Hazardous Waste Specialist
May 22, 1996

5/22/96

Kwan Y. Hodel
5/28/96

ADVANCED ENVIRONMENTAL CONCEPTS INC

October 25, 2002

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 E. Edinger Avenue
Santa Ana, CA 92705

Regarding: **Final Closure for Former Orange County Shooting and Training Center**
11159 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Please find enclosed the Final Closure Report prepared by **Advanced Environmental Concepts, Inc.** (AEC) for the above referenced project/location.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 831-1646.

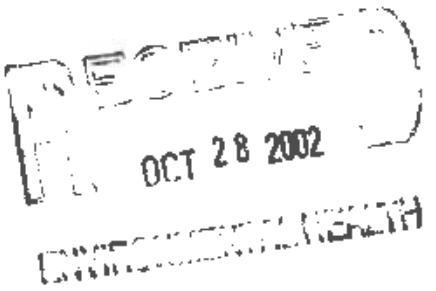
Respectfully yours,

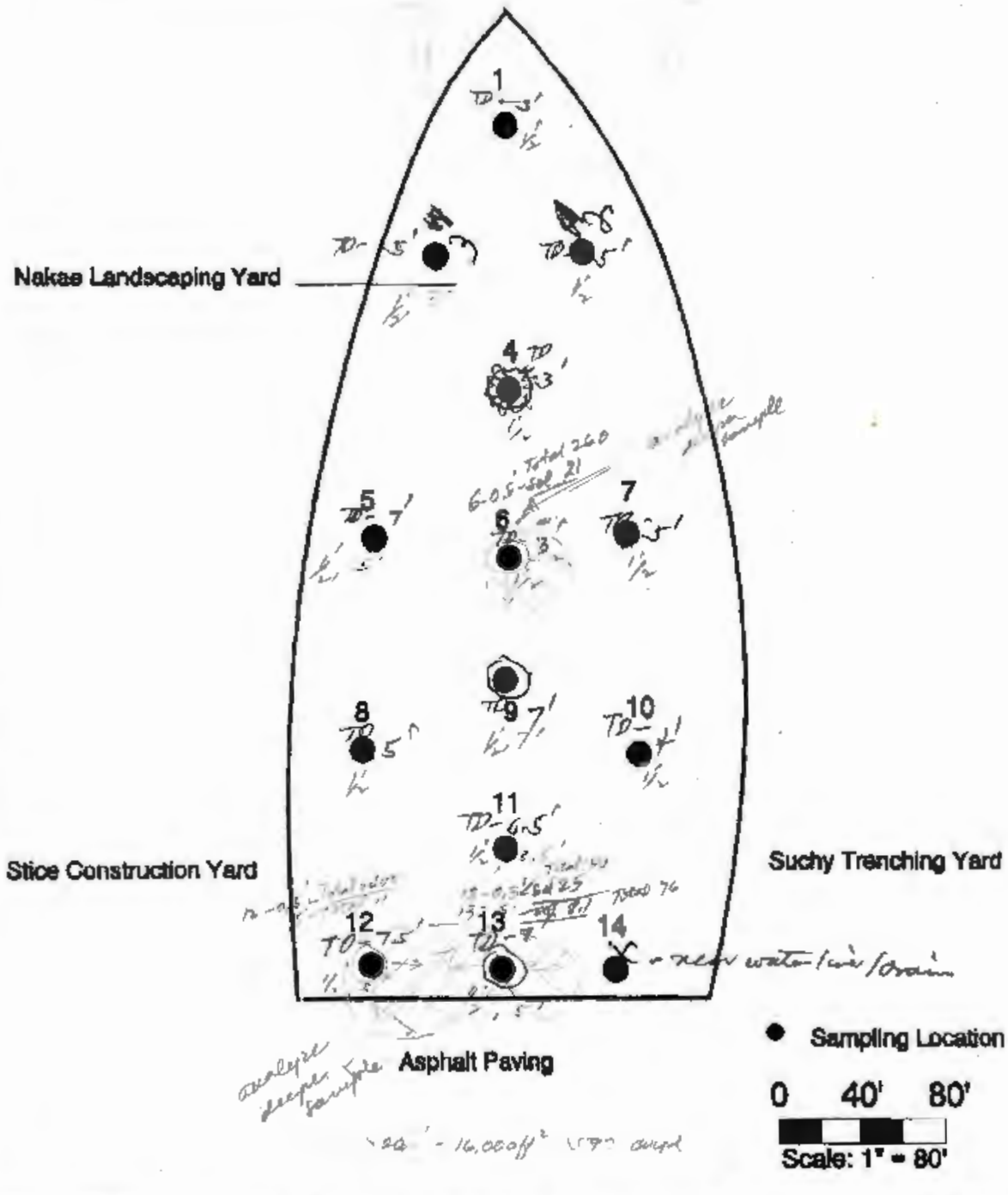
Advanced Environmental Concepts, Inc.

Debbie Irwin
Office Administrator

Attachments: Reports (1)

cc: Mr. Peter Changala, TIC


OCT 28 2002



ADVANCED ENVIRONMENTAL CONCEPTS INC ADVANCED ENVIRONMENTAL CONCEPTS P.O. BOX 40672 BAKERSFIELD, CA 93384	**-Sampling Location Map -** Former Orange County Shooting and Training Center Northern Extension of Jeffrey Road County of Orange • Irvine, CA	FIGURE 2

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Telephone Number:

Firm Name:

Documents Transmitted: Originals - Chain of Custody + Lab Report for 7-7-00 Sampling / O.C. Shooting Training Center, Irvine. (See attached)

Comments:

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4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: 1838
DATE RECEIVED: 7/7/00
SAMPLE(S) CONDITION (PLEASE CHECK):
CHILLED: ✓ COUNTY SEAL(S) INTACT: ✓
CONTAINER IN GOOD CONDITION: ✓
DATE ANALYSIS COMPLETED: 7/12/00
ANALYST: HP (Advanced Technology)

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: OCSTC
DATE OF COLLECTION: 7-7-00
SAMPLE COLLECTOR/COMPANY: Jon Burke.
TELEPHONE NO.:
HCA REPRESENTATIVE: Luis Lodeyro

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
Loose Spoils (Composite):		Total Pb 7420; if >90, test for Sol. Pb	9:45 A
Floor - Spoils	pile location		

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.		HCA	7-7-00
2.		HCA	7-7-00. 17:00
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ATTN: Mr. Luis Labrigueza

FAX Telephone #: (714) 568-5116

Office Telephone #: _____

Jon's Cl - (661) 979-1828
Off 661-831-1646

Facsimile from:

NAME: Jonathan Buck

COMPANY: Advanced Environmental Concepts, Inc.

4400 Ashe Road, Suite 206

Bakersfield, California 93313

FAX Telephone #: 661/831-1771

Office Telephone #: 661/831-1646

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FACSIMILE REGARDING: Dear Luis' Thanks for the review. The final will go in the mail tomorrow. Thanks Jon

Advanced Environmental Concepts, Inc. is pleased to present the following:

Confirmation Sampling Work Plan

for

Former Orange County Shooting and Training Center
Currently Leased to Nakae Landscape

11159 Jeffrey Road
County of Orange • Irvine, California

This report has been prepared for:

Irvine Community Development Company
Mr. Ken Coulter

February 2002

Table of Contents

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	1.2	Scope of Work	1
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Appendices:

A) Project Maps/Figures
B) Health & Safety Plan

1.0 INTRODUCTION

This work plan describes the procedures to be employed by Advanced Environmental Concepts, Inc. to re-sample for possible lead impacted soil in the skeet shooting range at 11159 Jeffrey Road, Irvine, California. The range was operated by the Orange County Shooting and Training Center (OCSTC) on property leased from The Irvine Company. The former OCSTC is located in East Hicks Canyon at the northern extension of Jeffrey Road and the portion of property to be investigated is currently leased to Nakae Landscaping (Figure 1). This work plan for re-sampling of a previously investigated and mitigated area conducted by AEC has been authorized by the Irvine Community Development Company (ICDC). The Orange County Health Care Agency (OCHCA), represented by Mr. Luis Lodrigueza, will supervise the confirmation sampling.

1.1 Purpose

The soil sampling described in this work plan has the following objective:

- Re-sample the 1.1-acre area used for the storage of gardening equipment used by Nakae Landscaping. An estimated 14 soil samples will be collected on a pre-determined grid basis at depths of 0.5' and 5' below ground surface (bgs), for a total of 28 samples. The soil samples will be analyzed for lead by EPA Method 6010B.

1.2 Scope of Work

The scope of services described in this work plan include:

1. Collect confirmatory soil samples from the area formerly mitigated by AEC, and also used as a staging area for the lead impacted soil prior to loading and disposal at USPCI. Analyze for Total Lead (TTLC), in accordance with EPA method 6010B.

2. Provide a written report detailing the sampling project including: 1) sampling methods, 2) analytical results, 3) conclusions, and 4) recommendations.

1.3 Schedule

Advanced Environmental Concepts, Inc. anticipates initiating the services described in this work plan within one week upon approval by OCHCA and Irvine Community Development Company. The report of operations will be submitted to the Client within one month after completion of the above described field work.

2.0 BACKGROUND

The OCSTC operated at the East Hicks Canyon location for several years. The facility was divided into two sections; the western section was used as a rifle range, and the eastern section as a trap and skeet range.

OCSTC has vacated their previously leased site, and adjacent land is slated for development of a retarding basin along the eastern hillside. In addition, the Eastern Transportation Corridor will transect the area.

A visual survey of the areas north, east and west of the trap and skeet firing line revealed the presence the lead pellets at distances of approximately 1,000 feet. It was the intent of ICDC to mitigate potential lead contamination concerns in the area of the new construction of the retarding basin and the Transportation Corridor.

From March 7-8, 1996, fifty points were sampled in native soil. The majority of the samples points were collected at grade level, then at 18 inches below grade level, in the same location. This was done to evaluate the potential attenuation of lead concentrations with depth. The objective of the sampling was to evaluate the areal extent of the lead shot and evaluate lead concentrations within the soil matrix. The soil samples were collected using a hand auger. The soil was placed in a glass sampling jar and retained for laboratory analysis by placing a Teflon-lined plastic cap over the end, and securing the caps with tape. The samples were labeled, recorded on a chain-of-custody document and placed in an ice chest cooled to approximately 4 degrees Centigrade with frozen Blue Ice. Chain-of-custody protocol was followed to ensure sample integrity and traceability.

Analytical results of soil samples collected from the sampling points are summarized in **Table 1**. Units are in milligrams per kilogram (mg/kg) which are equivalent to parts per million (ppm).

Table 1
Soil Samples
03/07-08/96
(ppm)

Sample ID	TTLC	STLC	TTLC Limits	STLC Limits
5262 G	ND		1,000	5.0
5262-W-G	5,060	14.6	1,000	5.0
5262-W-18"	8.8		1,000	5.0
5262-E-G	128		1,000	5.0
5262-S-G	292		1,000	5.0
5262-N-G	3,800		1,000	5.0
5906 G	5,080		1,000	5.0
5906-W-G	26		1,000	5.0
5906-E-G	19		1,000	5.0
5906-S-G	ND		1,000	5.0
5906-N-G	85		1,000	5.0
5250 G	178		1,000	5.0
5906-N-E G	16		1,000	5.0
5906-N-E2 G	ND		1,000	5.0
5262-E2-G	427		1,000	5.0
5250 S-G	ND		1,000	5.0
5250-W-G	215		1,000	5.0
5250-E-G	64,900	66.6	1,000	5.0
5250-E-18"	6.4		1,000	5.0
5250-N-G	812		1,000	5.0
5250-N2-G	392		1,000	5.0
5250-N-S G	47		1,000	5.0

Sample ID	TTLC	STLC	TTLC Limits	STLC Limits
5250-N3 G	464		1,000	5.0
5250-N4 G	ND		1,000	5.0
5250-N2-W2 G	ND		1,000	5.0
5250-N-3-W G	40,900		1,000	5.0
5250-N-2-W G	486		1,000	5.0
5250-N-4-W G	ND		1,000	5.0
RB-1 G	1,040		1,000	5.0
RB-2 G	282		1,000	5.0
RB-3 G	1,560		1,000	5.0
RB-4 G	ND		1,000	5.0
RB-5 G	1,140		1,000	5.0
RB-5-E G	25		1,000	5.0
RB-6 G	800		1,000	5.0
AEC-E-1 G	17		1,000	5.0
AEC-E-2 G	46,000		1,000	5.0
AEC-E-3 G	ND		1,000	5.0
AEC-N-1 G	ND		1,000	5.0
AEC-N-2 G	ND		1,000	5.0
AEC-N-3 G	22		1,000	5.0
AEC-N-4 G	16		1,000	5.0
AEC-N-5 G	99		1,000	5.0
AEC-W-1 G	240		1,000	5.0
5906-N-S2 G	ND		1,000	5.0
5262-E-3 G	21,540		1,000	5.0
AEC W-2 G	ND		1,000	5.0
AEC W-3 G	ND		1,000	5.0
AEC W-4 G	58		1,000	5.0
AEC W-5 G	296		1,000	5.0

Lead: Total Threshold Limit Concentrations (TTLC)
ND: Not detected at the indicated level of detection

The results of the sampling indicated elevated concentrations of lead in areas slated for future development therefore, a decision was made to excavate the lead impacted soil.

From March 25 to April 19, 1996, approximately 1,240 yards of lead-impacted soil was excavated from areas exhibiting visible surface impaction by lead pellets. The excavated areas were adjacent the proposed location

of a spillway that will divert water from the proposed East Hicks Canyon Retarding Basin. The excavation and sampling was conducted under the direction of an AEC senior geologist.

The soil was cut with a CAT D-4 tractor, then loaded into a 10 yard dump truck by a John Deere 710 Backhoe and stockpiled pending disposition by screening/segregation or offsite disposal at a recycling facility. Confirmation surface soil samples were collected in twenty locations at an initial depth of 8 inches below grade level (BGL), however, elevated concentrations of lead in seven of the samples necessitated that the impacted area be scraped to the clay layer at 12 inches BGL.

The results are presented below in Table 2 and the units are in milligrams per kilogram (mg/kg), which are equivalent to parts per million (ppm).

Table 2
Analytical Results - Soil Excavation
03/28/98
(ppm)

SAMPLE ID	TTLC	STLC	TTLC Limits	STLC Limits
C-1S	138		1,000	5.0
C-2S	ND		1,000	5.0
C-3S	10,230		1,000	5.0
C-4S	400		1,000	5.0
C-5S	ND		1,000	5.0
C-6S	6,390		1,000	5.0
C-7S	44.8		1,000	5.0
C-8S	705		1,000	5.0
C-9S	ND		1,000	5.0
C-10S	18,100		1,000	5.0
C-11S	74		1,000	5.0
C-12S	226		1,000	5.0
C-13S	29.1		1,000	5.0
C-14S	6.7		1,000	5.0
C-15S	57.3		1,000	5.0
C-16S	21.3		1,000	5.0
C-17S	7.34		1,000	5.0
C-18S	100		1,000	5.0
C-19S	83.4		1,000	5.0
C-20S	7,880		1,000	5.0

Lead: Total Threshold Limit Concentrations (TTLC)
ND: Not detected at the indicated level of detection

The results of the sampling indicated that seven locations needed re-sampling; therefore, an AEC geologist collected confirmation samples from those locations of elevated concentrations. Following are the tabulated results of the additional sampling conducted after the second excavation.

Table 3
Re-Sampling of Second Excavation
Analytical Results - Soil Excavation
04/01/96
(ppm)

SAMPLE ID	TTLC	STLC	TTLC Limits	STLC Limits
C-3AS	17.4		1,000	5.0
C-4AS	18.4		1,000	5.0
C-6AS	31.9		1,000	5.0
C-8AS	16		1,000	5.0
C-10AS	24.8		1,000	5.0
C-12AS	47.3		1,000	5.0
C-20AS	19		1,000	5.0

Lead: Total Threshold Limit Concentrations (TTLC)
ND: Not detected at the indicated level of detection

AEC returned to the site in May 2000 to load out the lead-impacted soil that was stockpiled adjacent to the east flank of the western hillside. This lead impacted soil was generated from the above stated mitigation services. Upon AECs return to the site it was apparent that the original stockpile had been moved to the center of the newly created Nakae Yard and the pile was full of metal, concrete, cables, crushed culvert pipe, and other construction debris. AEC separated the rubble from the lead impacted soil and hauled the metal to a recycler and the concrete to a crushing plant. In June of 2000 AEC loaded 237.75-tons of lead impacted soil to the US Ecology's waste facility in Beatty, Nevada. It has been postulated that the "missing" lead impacted soil may have been used as "fill" for the Corridor construction, or may have been used as grading material to build up the soil foundation for the Nakae Landscaping yard. Therefore, AEC proposes to re-sample the Nakae yard to evaluate if lead impacted soil remains, in an effort to obtain a "no further action" designation for the site.

4.0 WORK PLAN

4.1 Sampling Methods

The senior geologist will collect representative samples of native soil at 14 pre-determined sampling locations within the triangular shaped yard. The geologist will collect soil samples from 14 locations from the newly created yard area at depths of 0.5' and 5' bgs (total of 28 soil samples). The soil for the sample collection will be excavated using a backhoe and the samples will be collected in brass sleeves, labeled, and delivered to the laboratory under Chain-of Custody. Each sample will be analyzed for the presence of Total Lead in accordance with EPA method 6010B.

"TLRO"

The following sample collection procedure will be used:

1. A qualified AEC representative, will push a brass sleeve into an undisturbed portion of the soil in the backhoe bucket;
2. The brass sleeve will be sealed with a teflon lined lid;
3. The container will then be labeled, placed in a sealable plastic bag, and stored in a cooler with chilled blue ice;
4. All soil samples will be recorded on a Chain-of-Custody document to ensure sample integrity and traceability;
5. The soil samples will then be delivered to a State Certified analytical laboratory for analysis of the requested parameter;
6. All soil samples will be analyzed for Total Lead by EPA method 6010B.

- -

5.0 CLOSING

This work plan represents AEC's professional opinions. These opinions are based on currently available data and were arrived at in accordance with accepted hydrogeologic and environmental engineering practices. No other warranty, expressed or implied, is given.

This work plan has been prepared by:

Advanced Environmental Concepts, Inc.

_____

Jonathan L. Buck
Senior Geologist

This work plan has been technically reviewed by:

_____

Christian Bellue
California Registered Engineer #53934

OCSTC

Health & Safety Plan

for

Orange County Shooting and Training Range
Northern Extension of Jeffrey Road
County of Orange • Irvine, California

Introduction:

A Site Safety Plan (SSP) has been designed to address safety provisions needed during the site soil assessment/remediation. It's purpose is to provide established procedures to protect all on-site personnel from direct skin contact, inhalation, or ingestion of potentially hazardous materials that may be encountered at the site. The SSP establishes personnel responsibilities, personal protective equipment standards, decontamination procedures and emergency action plans.

Advanced Environmental Concepts, Inc. seeks to enter the property described above for the purpose of conducting a site assessment, consisting of backhoe excavation and sampling, to remove lead impacted soil.

Soil samples will be collected during and following the complete excavation of affected soil. All possible efforts will be made to collect undisturbed samples. All samples to be chemically analyzed will be collected in new brass sleeves equipped with teflon lined lids and placed on ice in a cooler immediately. All Chain-of-Custody protocol will be followed.

Excavation equipment will be brought to the site and operated by:

Advanced Environmental Concepts, Inc.
4400 Ashe Road #206
Bakersfield, CA 93313
(661) 831-1646
General "A" - 720492

This SSP describes means for protecting all on-site personnel from deleterious contamination of personal injury while conducting on-site activities. As described below, we will strive to meet all requirements promulgated by the California Department of Health Services.

Responsibilities of Key Personnel:

All personnel on-site will have assigned responsibilities. Mr. Jonathan Buck will serve as Project Manager and on-site Engineer. He will also serve as Site Safety Officer (SSO). As SSO, Mr. Buck will assure that on-site personnel have received a copy of the SSP. Personnel will be required to document their full understanding of the SSP before admission to the site. Compliance with the SSP will be monitored at all times by the SSO. Appropriate personal protective equipment, listed below, will be available and utilized by all on-site personnel. Prior to beginning work, the SSO will conduct a training session to assure that all are aware of safe work practices. In the training session, personnel will be made aware of hazards at the site and will utilize Material Safety Data Sheets for information on compounds to be encountered.

Mr. Buck will also be responsible for keeping field notes, collecting and securing samples, and assuring sample integrity by adherence to Chain-of-Custody protocol.

All on-site employees will take reasonable precautions to avoid unforeseen hazards. After documenting their understanding of the SSP, each on-site employee will be responsible for strict adherence to all points contained herein. Any deviation observed will be reported to the SSO and corrected. On-site employees are held responsible to perform only those tasks for which they believe they are qualified. Provisions of this SSP are mandatory and personnel associated with on-site activities will adhere strictly hereto.

Job Hazard Analyses:

Hazards likely to be encountered on-site include those commonly encountered when operating any mechanical equipment, such as the danger of falling objects or moving machinery. Simple precautions will reduce or eliminate risks associated with operating such equipment.

AEC will deliver and operate all excavating equipment. Qualified personnel only will have any contact with this equipment. All on-site personnel, including the excavation contractor and his employees, are required to wear hard hats when in close proximity to excavating equipment. Latex sampling gloves will be worn by persons collecting or handling samples to prevent exposure to contaminants. Gloves will be changed between samples and used ones discarded, to avoid cross-contamination. Proper respiratory equipment will be worn if vapor contamination levels on-site exceed action levels as determined using a Photoionization Detector (PID). Action levels requiring respiratory apparatus will be 5-ppm, in the breathing space. Furthermore, no on-site smoking, open flame or sparks will be permitted in order to prevent accidental ignition.

Risk Assessment Summary:

Exposure to chemicals anticipated on-site include lead. This chemicals only represents a hazard if it is ingested.

Threshold Limit Values (TLV's), Short Term Exposure Limits (STEL's) and Toxicity levels (LD50, oral-rat), all in mg/kg (ppm), are listed below:

Exposure Monitoring Plan:

Air monitoring will be conducted during excavation procedures using a TIP$_{TM}$II Photoionization Detector (PID) equipped with a 10.6eV lamp, manufactured by Photovac, Inc. The PID will be calibrated to 50 ppm hexane. These air monitoring procedures will be carried out in accordance with the provisions listed in Rule 1166 of the South Coast Air Quality Management District (SCAQMD). Volatile emissions are not anticipated but will nevertheless be monitored.

Personal Protective Equipment:

When handling samples, the on-site Geologist will wear latex gloves. Hard hats will be worn by all personnel on-site when in proximity of excavation equipment.

Work Zones and Security Measures:

Access to the site will be restricted to authorized personnel. A set of cones, placards or wide yellow tape, surrounding the site, will define the perimeter, if needed. The Project Manager will be responsible for site security.

Decontamination Measures:

Avoidance of contamination whenever possible is the best method for protection. Common sense dictates that on-site personnel avoid sitting, leaning or placing equipment on possible contaminated soil. All personnel will be advised to wash their hands, neck and face with soap and water before taking a break or leaving the site.

Excavation and sampling equipment used will be decontaminated by steam-cleaning. Sampling equipment will be decontaminated before each sample collection.

General Safe Work Practices:

On-site personnel will be briefed each day in "tailgate" meetings as to the day's goals and equipment to be used. Anticipated contaminants and emergency procedures will be reviewed. Appropriate personal protective equipment will be put on and verified correct by SSO, including respirator fit.

Excavation and sampling equipment will be steam-cleaned before being brought on-site. The on-site Geologist will oversee operations and log the excavation strata. The Sample Coordinator will assure that proper protocol is used at all times in collecting and handling samples.

Training Requirements:

The SSO will conduct a pre-site training session which will include all points of MSDS forms, contaminant properties, warning signs, health hazard data, risk from exposure and emergency first aid.

All chemicals are to be covered and the SSO will assure that everyone fully understands site hazards.

Medical Surveillance Program:

According to CFR 29, 1910.120, Paragraph (f), employees who wear respirators thirty (30) days or more during one (1) year or who have been exposed to hazardous substances or health hazards above established permissible exposure limits are required to be monitored medically. All site personnel will be required to have had a complete chemical physical within the past year.

Record Keeping:

Documentation will be kept on personnel exposed to contaminant hazards on the job site according to OSHA regulations. These will include documentation that employees have received training on the SSP, respiratory protection, MSDS forms and all emergency procedures. These will be reviewed during the pre-site training meeting.

Exposure records on each job will be kept for thirty (30) years to meet requirements. Included will be names and social security numbers of employees, medical evaluations, on-the-job logs from entry to exit, first aid administered, visits on-site by outside persons and personal air monitoring records.

Contingency Plans:

In the event of an accident, injury, or other emergency, the Project Director, Senior Project Manager, or other person, will notify the appropriate government agencies or individuals as follows:

Orange County Health Care Agency
2009 East Edinger Avenue
Santa Ana, California 92705

(714) 667-3717

Police, Fire or Ambulance Emergency

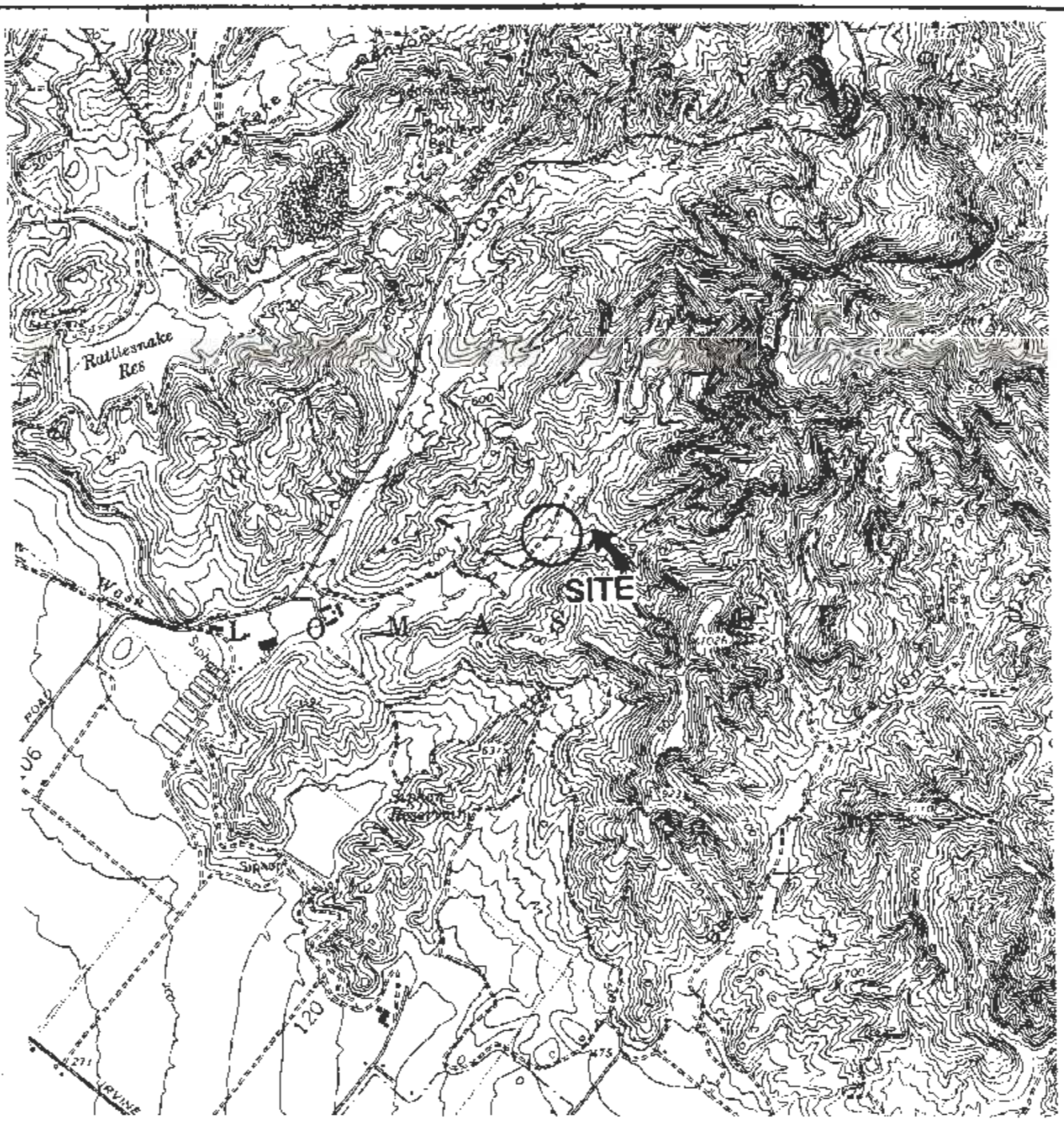
9 - 1 - 1

Nearest Emergency Hospital
Irvine Medical Center
16200 Sand Canyon Avenue
Irvine, California

(949) 857-6500

I have read the following Health and Safety Plan and understand the contents herein:

NAME:	COMPANY



Map Source: El Toro Quadrangle

ADVANCED ENVIRONMENTAL CONCEPTS
4400 Ashe Road, Suite #206
Bakersfield, CA 93313

- Site Area Map -

Former Orange County Shooting and Training Center

Northern Extension of Jeffrey Road

County of Orange • Irvine, CA

FIGURE 1

ADVANCED ENVIRONMENTAL CONCEPTS INC

February 12, 2002

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 E Edinger Avenue
Santa Ana, CA 92705

Regarding: **Confirmation Sampling Work Plan**
Former Orange County Shooting and Training Center
Currently Leased to Nakae Landscape
11159 Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Please find enclosed the Confirmation Sampling Work Plan prepared by **Advanced Environmental Concepts, Inc.** (AEC) for the above referenced project/location.

Enclosed please find that report which AEC is submitting for your review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 831-1646

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Office Administrator

Attachments: Reports (1)

cc: Mr. Ken Coulter, ICDC
Mr. Peter Changala, ICDC

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Hazardous Materials Specialist HCA. The results of AECs excavation, a... ubsequent confirmation soil sampling, indicated that all accessible lead shot was recovered from the skeet and trap range as evidenced by the acceptable concentrations of Total Lead within the confirmation samples. AEC stockpiled the lead impacted soil adjacent to the east flank of the foothill separating the skeet and trap range from the rifle and pistol range. In June 2000 AEC was contracted by The Irvine Company to arrange for loading, transportation, and disposal of the lead impacted soil to USPCI Landfill in Beatty, Nevada. AEC disposed of approximately 237.75-tons of lead impacted soil at the landfill under the supervision of Mr. Lodrigueza of OCHCA. Following the complete removal of the stockpiled soil, AEC then collected confirmation soil samples under OCHCA supervision and the soils exhibited acceptable Total Lead concentrations. AEC prepared a "request for closure" letter with the OCHCA and closure would have been granted based on the work performed except that the stockpile that AEC disposed of only contained 237.75-tons of lead impacted soil, not the 1,100 tons that was originally excavated and stockpiled by AEC in 1996. It has been theorized that the stockpiled soil was either added to ECOs stockpile and "mined" for lead shot recovery in 1996; became a part of the earthmoving process in building the Transportation Corridor Toll Road; or was a combination of the two processes. In any event, Mr. Lodrigueza is not able to issue "no further action" for this site because of the soil discrepancy. In a positive light, OCHCA is not continuing enforcement of the site and currently considers it a non issue.

East of the East Leg of State Route 133 (Toll Road) are agricultural grounds farmed by either The Irvine Company or tenants. Bordier's Nursery leases from the Navy an approximate 150-acre contiguous piece of property bounded by Irvine Boulevard to the south and Portola Parkway to the north. This property is not a part of this assessment. In addition, Bordier's Nursery also leases Field 311 and Field 352 from the Irvine Company. The nursery operation in Field 311 includes wind and sun netting growing areas, and open-air growing areas for many ornamental varieties of plants and shrubs. Field 352 is primarily used as a stockpiling area for soil mixing of material used in the potting of the plants. Field 352 was a former rifle range used by servicemen at the El Toro Marine Corp Air Station. The rifle range was only in use during an approximate 10 year period assumed to be between 1965 and 1975, however, it may also have a lead shot concern equivalent to the OCSTC. The nursery primarily waters the plants by overhead sprinklers and also incorporates drip and micro-jet irrigation. Excess irrigation water is collected at a topographic low at the southern portion of the property, pumped into a collection reservoir, filtered, then re-cycled as irrigation water. Bordier's Nursery has current RWQCB discharge permit #90-81.

North and east of the Bordier's Nursery Navy leased property are relatively contiguous Fields owned and farmed by The Irvine Company, or owned by The Irvine Company and leased to various tenants. Gargiulo leases Field 302 and is currently farming tomatoes. Field 303 is planted to strawberries, Field 304 is leased by Sunny Slope Nursery, Field 308 is planted to avocados and a portion of Field 308 is leased to Custom Country for composting, sand bag construction, and wood splitting. The Irvine Company farms avocados in Fields 301, portion of 304, 305, 306, 307A-B, 308, and 310. Village Nursery leases Field 312A-B and Pacific Coast Nursery leases property on the northeast side of "N" Street and east of the Lambert Reservoir (dry and out of service) identified as Field 313. They cultivate primarily large shrubs and ornamental trees and the irrigation is accomplished using a drip irrigation system connected to each box. Sunny Slope Trees operate a nursery north of Portola Parkway and south of the Corridor Toll Road identified as Field 304. The cultivated areas present minimal environmental concern, however, there are industrial facilities along "N" Street that have recognized environmental conditions.

Tierra Verde Industries operates a large scale composting and greenwaste acceptance facility at the intersection of Irvine Boulevard and "N" Street. On the west side of "N" Street Tierra Verde Industries operates a rectangular yard used for receiving primarily wood and cardboard products which are pulverized, chipped, and ground into wood chips and sawdust size particles. The Tierra Verde facility on the east side of "N" Street is used as a receiving facility for greenwaste, and has been improved with the construction of a scale house, maintenance shop, and offices. The structures are primarily concrete floored, and metal roofed and sided. Tierra Verde constructed the maintenance shop to service the heavy equipment used in

4400 ASHE ROAD #206 · BAKERSFIELD, CA 93313 661/831-1646 · FAX 661/831-1771

MEMO

March 12, 2001

TO: **FILE**

FROM: Luis Lodrigueza 4/30/01

SUBJECT: **Case Termination**

The amount of Pb pellet-impacted soil (1210 cu yd) originally stockpiled by Advanced Environmental Concepts (AEC), the Irvine Company's consultant, on site after removal from its location (the then proposed retaining basin/spillway section of the Eastern Transportation Corridor) could not be reconciled with the amount of soil ultimately transported by AEC for disposal (162 cu yd). The difference could likely have been removed and properly disposed of by Environmental Contractors, Inc. (ECO) during remediation of similarly Pb-impacted material in the remaining portion of the former Orange County Shooting and Training Center (OCSTC) firing range immediately adjacent to the retaining basin/spillway (covered under this case file [# 96IC13]). [Note: The portion of the shooting range addressed by ECO was contracted by the OCSTC with the DTSC under the latter's voluntary mitigation program, and was not part of this case (96IC13) overseen by OCHCA.]

AEC observed that its "stockpile" was obviously moved eastward from its original location, its size tremendously reduced, and much of the 'soil' replaced by large concrete blocks, metal cables and concrete culverts. From this, AEC surmised that ECO may have also mined the Pb out of the AEC stockpile. It was the soil left after disposal of the concrete and metal cables from this pile (162 cu yd) that AEC transported to Beatty, Nevada for disposal.

In view of the possibility that the unaccounted Pb-impacted soil may have been left somewhere on the property, The Irvine Company indicated that it would conduct the necessary investigation to track down this soil, but would do so only if the site's land use were to be changed from its current open space equipment rental property to either a commercial or residential development.

Until The Irvine Company is ready to revisit the issue of the 'missing' Pb-impacted soil and provide a plausible explanation of its ultimate disposition, it is recommended that this case be terminated.

ADVANCED ENVIRONMENTAL CONCEPTS INC

January 8, 2001

Mr. Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, California 92705

RE: Lead Shot Impacted Soil
Orange County Shooting and Training Center

Dear Mr. Lodrigueza:

Advanced Environmental Concepts, Inc. (AEC) is pleased to present the following response regarding the discrepancy in volume of lead shot soil excavated, and lead shot soil removed. Also, AEC apologizes for the time lapse in reply to your letter.

From March 25 to April 1, 1996 approximately 885 cubic yards of lead shot impacted soil was excavated from the "fall zone" area of the shooting range located in East Hicks Canyon. Subsequently, on April 19, 1996 and additional 355 cubic yards were removed from the "fall zone" of the shooting range. The majority of this soil was removed from the east and west flanks of the hillsides that define East Hicks Canyon. Concurrently with AECs mitigation efforts, another consultant, Environmental Contractors Inc.(ECO) were excavating and stockpiling lead shot impacted soil from the East Hicks Canyon floor. AEC is not aware of the former storage location, or final disposition of the soil excavated and stockpiled by ECO. AEC demobilized equipment from the Orange County Shooting and Training Center, on April 19, 1996, and left the soil stockpiled against the base of the east flank of the western hillside.

The overriding reason why the excavation was initially conducted was that the "fall zone" of lead shot was in an area that was to be used by Silverado (earth moving contractor) for the "Future Silverado Stockpile Area". Therefore, during construction of the Eastern Transportation Corridor (toll road), Silverado was going to use this area to store their rolling stock and massive volume of excess overburden, prior to replacement and re-compaction during the engineered grading process.

AEC did not return to the site until May of 2000 when Mr. Changala, of The Irvine Company, requested that AEC dispose of the lead-shot impacted soil at an acceptable landfill. When AEC returned to the site for a walk-through, the site had changed in the 4 year hiatus, in that the stockpiled soil had been moved from the base of the eastern flank of the west hill, easterly to the center of a large area that had been graded in preparation of renting the open space to tenants requiring large storage yards. In addition, the stockpiled soil was full of large concrete blocks, metal cables, drainage culverts, and concrete form stakes. Also, the pile was overgrown with vegetation. AEC recommended to Mr. Changala that the concrete rubble be hauled to a crusher plant, and the metal be transported to a recycling facility prior to removal of the soil to a landfill. Therefore, over a three day period AEC used a backhoe, and dump truck, to segregate the trash from the soil

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slated for disposal. During the month of June, 2000 AEC loaded 237.75 tons of soil in end dumps for transport to US Ecology's receiving facility in Beatty, Nevada.

There can be postulated many reasons for the discrepancy in soil volume during a 4 year hiatus, however, since we were not physically onsite during the construction of the toll road it would not be prudent to select any one hypothesis. All that AEC can attest to is that we loaded, and removed for disposal 237.75 tons of lead impacted soil.

AEC appreciates your efforts in closing this site, and should you have additional requests please do not hesitate to contact our office at your convenience.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Senior Geologist

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

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ADVANCED ENVIRONMENTAL CONCEPTS INC

October 24, 2000

Mr. Luis Lodrigueza
Hazardous Waste Specialist
Orange County Health Care Agency
Environmental Health Division
2009 East Edinger Avenue
Santa Ana, California 92705

RE: Confirmation Sampling of Lead Impacted Soil
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road/East Hicks Canyon
Irvine, California
Case #96IC13

Dear Mr. Lodrigueza:

Advanced Environmental Concepts, Inc. (AEC) is pleased to present this summary letter for the disposal, and subsequent confirmation sampling of lead-impacted soil at the former Orange County Shooting and Training Center, northern extension of Jeffrey Road, Irvine, California.

The lead-shot impacted soil had been excavated and stockpiled in the general area since April of 1996. The area was originally a freeway construction zone for the Eastern Transportation Corridor. Now that the Corridor is fully operational, property that was used for the storage of freeway equipment and materials, is being leased to various private enterprises as storage yards, therefore, it became necessary to remove the lead-shot impacted soil. During the month of June, 2000 AEC loaded 237.75 tons of the lead-shot impacted soil into semi end dumps for transport and disposal at US Ecology's receiving facility in Beatty, Nevada. Attached to this summary letter are the signed manifests documenting the disposal of the impacted soil.

Following disposal of the lead-shot impacted soil AEC collected confirmation soil samples, under your supervision, on July 7, 2000. The results of the sample collection indicate acceptable concentrations of lead in soil (25 mg/kg in sample "loose spoils" and 26 mg/kg in sample "floor spoils").

Based on the results of the confirmation sampling, AEC respectfully requests final closure for the Orange County Shooting and Training Center location.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Senior Geologist

cc: Mr. Peter Changala

4400 ASHE ROAD #206 • BAKERSFIELD, CA 93313 661/831-1646 • FAX 661/831-1771

RECEIVED
OCT 30 2000
ENVIRONMENTAL HEALTH

ADVANCED ENVIRONMENTAL CONCEPTS INC

December 19, 2002

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 East Edinger Avenue
Santa Ana, California 92705

RE: Former Orange County Shooting and Training Center

Dear Mr. Lodrigueza:

I have contacted Baseline Analysis (Mr. Brian Kato) to obtain the original copy of the Chain-of-Custody for July 7, 2000. Mr Kato cannot find the original chain, therefore, it can be assumed it was lost in the mail, or misplaced by Mr. Kato. I apologize for this inconvenience. Also, attached to this memo are the weight tickets and manifests for the lead disposal.

As always, if you need anything else please do not hesitate to call me at 661.831.1646.

Sincerely,

Jonathan L. Buck


RECEIVED
DEC 19 2002
-NVIRONMENTAL HEALTH

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: _____

_____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

_____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R5/88)

Baseline On-Site Analysis

P. O. Box 2243 Toll Free: (888) 753-7553
Huntington Beach, CA 92647 FAX: (714) 840-1584

Laboratory Report

Client:	AEC, Inc	**Report Date:**	7/15/00
Client Address:	4400 Ashe Road #206 Bakersfield, California	**Lab Project Number:**	00614
		Client Project Number:	N/A
Project Name:	OCSTC	**Date Sampled:**	7/7/00
Project Address:	—	**Date Received:**	7/7/00
	---	**Date Analyzed:**	7/12/00
Contact:	Jonathon Buck	**Sample Matrix:**	Soil

Total Lead Results (EPA 7420)

Sample ID	Total Lead (mg/kg)
Loose Spoils	25
Floor Spoils	26
Method Blank	ND<5.0

ND Not Detected at the indicated Practical Quantification Limit (Reporting Limit)

Baseline On-Site Analysis

P. O. Box 2243 Toll Free (888) 753-7553
Huntington Beach, CA 92647 FAX. (714) 840-1584

Laboratory Report

Client:	AEC, Inc	**Report Date:**	7/15/00
Client Address:	4400 Ashe Road #206 Bakersfield, California	**Lab Project Number:**	00614
		Client Project Number:	N/A
Project Name:	OCSTC	**Date Sampled:**	7/7/00
Project Address:	—	**Date Received:**	7/7/00
	—	**Date Analyzed:**	7/12/00
Contact:	Jonathon Buck	**Sample Matrix:**	Soil

Analyses Requested:

1. **EPA 7420 – Total Lead**

July 7, 2000, *Baseline* received samples collected from the project shown above. A Chain-of-Custody Record is attached

Baseline relinquished the samples to Advanced Technology Laboratories (Signal Hill) for Total Lead Analysis (EPA 7420). In this report, *Baseline* presents the results for the above mentioned analysis.

Brian K. Kato

Approved

Brian K. Kato, Laboratory Manager

BASELINE ON SITE ANALYSIS™

Baseline On-Site Analysis

P. O. Box 2243 Toll Free (888) 753-7553
Huntington Beach, CA 92647 FAX (714) 840-1584

Laboratory Report

Client:	AEC, Inc	**Report Date:**	7/15/00
Client Address:	4400 Ashe Road #206	**Lab Project Number:**	00614
	Bakersfield, California	**Client Project Number:**	N/A
Project Name:	OCSTC	**Date Sampled:**	7/7/00
Project Address:	—	**Date Received:**	7/7/00
	—	**Date Analyzed:**	7/12/00
Contact:	Jonathon Buck	**Sample Matrix:**	Soil

Quality Control Summary

Analytes	MS Recovery (%)	MSD Recovery (%)	RPD (%)	QC Sample
Total Lead (7420)	97	98	2	045216-001 (ATL)
Acceptable QC Limits:	(65-130)	(65-130)	(0-30)	

MS: Matrix Spike; MSD: Matrix Spike Duplicate; RPD: Relative Percent Difference

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back

151

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046604765 | Manifest Document No. | 2. Page 1 of 2 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
THE IRVINE COMPANY
550 NEWPORT CENTER DRIVE
NEWPORT BEACH, CA 92660
4. Generator's Phone (949) 720-2292

A. State Manifest Document Number: 20140017
B. State Generator's ID:

5. Transporter 1 Company Name: Cummings Vacuum Service | 6. US EPA ID Number: CAD981435621
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 661 387 1942

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID [Reserved.]
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY, INC.
P.O. Box 578 / HWY 95 11 MILES SOUTH of BEATTY
BEATTY, NEVADA 89003

10. US EPA ID Number: NVT330101000
G. State Facility's ID
H. Facility's Phone: (800) 239-3943 775-553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. ~~NON-RCRA HAZ WASTE SOLID~~ DS (2008) Hazardous Waste Solid, n.o.s. 9, NA3077, PG III	001	DT	00018	Y	State 611 / EPA/Other D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste stream
Approval #: 07 0127535

K. Handling Codes for Wastes Listed Above
a. 99/03 | b. | c. | d.

15. Special Handling Instructions and Additional Information
ACCEPTANCE CODE 07012753 5

16-2 copy DS only

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: JONATHAN BUCK agent for THE IRVINE COMPANY | Signature: Jonath Buck | Month 06 Day 08 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Galen Dukes | Signature: Galen Dukes | Month 06 Day 08 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space
9). D.O.T. Shipping Changed per D. Palmer w/AEC. 6-8-00 DS

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Brian Fildes | Signature | Month 06 Day 08 Year 00

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
PA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

US Ecology
an American Ecology company

702-553-220
Fax 702-553-274

Certificate of Receipt and Disposal

Disposal Facility
US Ecology Inc.
P.O. Box 578
Beatty, NV. 89003

EPA identification Number
NVT330010000

Disposal Certification

Generator Name: ***THE IRVINE COMPANY***

I HEREBY CERTIFY THAT WASTE MATERIAL LISTED ON MANIFEST NO: 20140017 AND ANY ATTACHMENTS WAS:

[X] Received at the US Ecology, Inc., Beatty, Nevada facility on: 6/8/00

[ ] Landfilled at the US Ecology, Inc., Beatty, Nevada facility on: _____

[ ] Stored pending shipment for Off-Site Treatment/Incineration

[ ] Shipped for Incineration on Manifest No. : _____ and Incinerated on: _____

[ ] Hazardous debris treated by Immobilization per 40 CFR 268.45, and Landfilled at US Ecology's facility on: _____

[X] Stabilized and Landfilled at the US Ecology , Inc. Beatty, Nevada facility on: 6/14/00

Restricted waste treated to treatment standards (40 CFR 268.7 (b) (5) (i)). The treatment residue or extract of such residue, of the restricted waste identified on the above manifest has been tested to assure that the treatment residues or extracts meet the applicable standards or prohibitions in 40 CFR 268.41 and/or 40 CFR 268.43.

[ ] Stored pending On-Site Treatment

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direction, made the verification that this information is true, accurate and complete.

For **US Ecology Inc.** _____ **Date:** 6/15/00
Mark Henderson

F:\SHARED\FORMS\CDDG.XLS

RECEIVED
OCT 30 2000
ENVIRONMENTAL HEALTH

TIME IN 4:36pm TICKET NUMBER 9376

7:43pm 6-08-00

TRUCK ID 20140017

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

68840 lb GROSS
30060 lb TARE INBOUND 68840 lb
38780 lb NET

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on bac page 6.

1510
Department of Toxic Substances Contr
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD041610476 5 — Manifest Document No. — 2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
THE IRVINE COMPANY
550 NEWPORT CENTER DRIVE
NEWPORT BEACH CA 92660
4. Generator's Phone (949) 720-2292

A. State Manifest Document Number 20140018
B. State Generator's ID

5. Transporter 1 Company Name: Cummings VACUUM Service — 6. US EPA ID Number: A0981435621
C. State Transporter's ID (Reserved.)
D. Transporter's Phone 661 387-1842

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID (Reserved.)
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY, INC.
P.O.Box 578 11 MILES SOUTH of BEATTY
BEATTY, NEVADA 89003
10. US EPA ID Number: NVT330010000
G. State Facility's ID
H. Facility's Phone (800) 239-3943 ~~775-553-2203~~

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. [redacted]-RCRA HAZ WASTE SOLIDS Hazardous Waste Solid, n.o.s. 9, NA3077, PG III (2008)	001	DT	00018	Y	State 611 / EPA/Other D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste Stream
Approval # 070127535

K. Handling Codes for Wastes Listed Above
a. 99/03 — b. — c. — d.

15. Special Handling Instructions and Additional Information
ACCEPTANCE CODE 070127535

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: JONATHAN BUCK agt for THE IRVINE COMPANY — Signature — Month 06 Day 08 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joe Dominguez — Signature — Month 06 Day 08 Year 08

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

19. Discrepancy Indication Space
a). dot Shipping name changed per D. Palmer w/AEC. 68-000 DS

FACILITY

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Brian F. Ides — Signature — Month 06 Day 08 Year 08

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

TIME IN 4:27pm TICKET NUMBER 9375

6:39pm 6-08-00

TRUCK ID 20140018

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

65220 lb GROSS
32560 lb TARE INBOUND 65220 lb
32660 lb NET

US Ecology
an *American Ecology* company

702-553-220
Fax 702-553-274

Certificate of Receipt and Disposal

Disposal Facility
US Ecology Inc.
P.O. Box 578
Beatty, NV. 89003

EPA identification Number
NVT330010000

Disposal Certification

Generator Name: ***THE IRVINE COMPANY***

I HEREBY CERTIFY THAT WASTE MATERIAL LISTED ON MANIFEST NO: 20140018 AND ANY ATTACHMENTS WAS:

[X] Received at the US Ecology, Inc., Beatty, Nevada facility on: 6/8/00

[ ] Landfilled at the US Ecology, Inc., Beatty, Nevada facility on: _____

[ ] Stored pending shipment for Off-Site Treatment/Incineration

[ ] Shipped for Incineration on Manifest No. : _____ and Incinerated on: _____

[ ] Hazardous debris treated by Immobilization per 40 CFR 268.45, and Landfilled at US Ecology's facility on: _____

[X] Stabilized and Landfilled at the US Ecology , Inc. Beatty, Nevada facility on: 6/14/00

Restricted waste treated to treatment standards (40 CFR 268.7 (b) (5) (i)). The treatment residue or extract of such residue, of the restricted waste idientified on the above manifest has been tested to assure that the treatment residues or extracts meet the applicable standards or prohibitions in 40 CFR 268.41 and/or 40 CFR 268.43.

[ ] Stored pending On-Site Treatment

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direction, made the verification that this information is true, accurate and complete.

For US Ecology Inc. _____ Date: 6/15/00
Mark Henderson

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back c ge 6.

1640

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CAD046604765 | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: The Irvine Co, 550 Newport Center Dr, Newport Beach, CA 92660
4. Generator's Phone: 949 720-1162

A. State Manifest Document Number: 20140027
B. State Generator's ID:

5. Transporter 1 Company Name: Cummins Vacuum Service | 6. US EPA ID Number: CAD981435621
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: (661) 387-1842

7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: US Ecology Inc, P.O. Box 578, Hwy 95 11 miles South of Beatty, Beatty, NV 89003 | 10. US EPA ID Number: NVT330101000
G. State Facility's ID:
H. Facility's Phone: (775) 553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. ~~Hazardous Waste~~ Solid, N.O.S., 9, NA3077, PG III (D008)	001	DT	00018	Y	State EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: Waste stream approval # 07127535

K. Handling Codes for Wastes Listed Above: a. 99/03 | b. | c. | d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jim Buck for The Irvine Company | Signature: Jim Buck | Month 06 Day 20 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael Vasquez | Signature | Month 06 Day 20 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space: 11.a. - 14.a, & I.) Manifest corrections per Dave Palmer / Advanced - QE 6-21-00.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Brian Fildes | Signature | Month 06 Day 21 Year 00

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)

While TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

TIME IN 9:10am TICKET NUMBER 9823

10:10am 6-21-00

TRUCK ID 20140027

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

78440	lb	GROSS		
30340	lb	TARE	INBOUND	78440 lb
48100	lb	NET		

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back | age 6.

1640

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD041661047165 | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
The Irvine Co
550 Newport Center Dr 92600
Newport Beach, CA
4. Generator's Phone (949) 720-2292

A. State Manifest Document Number 20140028
B. State Generator's ID

5. Transporter 1 Company Name: J Torres Co Inc
6. US EPA ID Number: CAD 980887042
~~Chemical Vacuum Service~~ CA 09 811 435 601
C. State Transporter's ID [Reserved.]
D. Transporter's Phone (661) 387-1842 (661) 832-2635

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID [Reserved.]
F. Transporter's Phone

9. Designated Facility Name and Site Address: US Ecology
PO Box 578 Hwy 95, 11 miles South of Beatty
Beatty, NV 89003
10. US EPA ID Number: NVT 330011000
G. State Facility's ID
H. Facility's Phone (775) 553-2203

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. ~~Hazardous waste~~ HAZ Solid N.O.S.; 9; NA 3077; PGIII (D008)	001	DT	00185 LBS		State EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste stream Approval
#07012535

K. Handling Codes for Wastes Listed Above
a. 99/03
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Jon Buck for The Irvine Co	Jonathan Buck	06	20	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jeffrey McDevitt		06	20	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
II.A. & I.) Manifest corrections per Dave Palmer/Advanced - GL 6-21-00.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day	Year
Tom Dymond		06	21	00

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

DTSC 8022A (1/99)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O Box 3000, Sacramento, CA 95812

TIME IN 7:11am TICKET NUMBER 9818

9:25am 6-21-00

TRUCK ID 20140028

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

82520 lb GROSS
30800 lb TARE INBOUND 82520 lb
51720 lb NET

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back age 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046609765 — Manifest Document No. — 2. Page 1 of — Information in the shaded areas is not required by Federal law

GENERATOR

3. Generator's Name and Mailing Address
The Irvine Company
550 Newport Center Dr
Newport Beach, CA 92660
4. Generator's Phone (949) 720-2292

A. State Manifest Document Number: 20140029
B. State Generator's ID:

5. Transporter 1 Company Name: Cummins Vacuum Service — 6. US EPA ID Number: CAD981435621
C. State Transporter's ID (Reserved.)
D. Transporter's Phone: (661) 387-1842

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID (Reserved.)
F. Transporter's Phone

9. Designated Facility Name and Site Address
US Ecology Inc,
P.O. Box 578, Hwy 95, 11 miles South of Beatty
Beatty, NV 89003
10. US EPA ID Number: NVT330101000
G. State Facility's ID
H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Haz, Solid; N.O.S.; 9; NA3077; PG III Waste (D008)	001	DT	0018	Y	State 611 / EPA/Other D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste stream Approval
070127535

K. Handling Codes for Wastes Listed Above
a. 99/03
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jon Buck for The Irvine Company — Signature: Jon Buck for — Month 06 Day 21 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donald Weir — Signature: Donald Weir — Month 06 Day 21 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Brian Fildes — Signature — Month 06 Day 21 Year 00

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P O Box 3000, Sacramento, CA 95812

TIME IN 3:36pm TICKET NUMBER 9839

4:24pm 6-21-00

TRUCK ID 20140029

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

79380 lb GROSS
31760 lb TARE INBOUND 79380 lb
47620 lb NET

TIME IN 3:21pm TICKET NUMBER 9893

4:14pm 6-22-00

TRUCK ID 20140030

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

79020 lb GROSS
30460 lb TARE INBOUND 79020 lb
48560 lb NET

No DTSC 8022A form

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back. page 6.

9820877

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
CAD046604765			

GENERATOR

3. Generator's Name and Mailing Address
The Irvine Company
550 Newport Center Dr
Newport Beach, CA 92660

4. Generator's Phone (949) 720-2202

A. State Manifest Document Number: 20140031

B. State Generator's ID:

5. Transporter 1 Company Name: H McABEE AND SON CARTAGE

6. US EPA ID Number: CAR000099998

C. State Transporter's ID [Reserved.]:

D. Transporter's Phone: (562) 6618672611

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID [Reserved.]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US Ecology Inc
P.O. Box 578 Hwy 95, 11 miles South of Beatty
Beatty, NV 89003

10. US EPA ID Number: NVT330010000

G. State Facility's ID:

H. Facility's Phone: (775) 553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Haz Solid; N.O.S.; 9; NA3077; PGIII (D008) WASTE	1	D.T.	00018	Y	State CA EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste stream Approval
0707127535

K. Handling Codes for Wastes Listed Above
a. 99/03
b.
c.
d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name	Signature	Month	Day	Year
Jon Buck for The Irvine Company	Jonathan Buck	06	21	00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
HOWARD McABEE	Howard McAbee	06	21	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Brian Fidds		06	21	00

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O Box 3000, Sacramento, CA 95812

TIME IN 3:30pm TICKET NUMBER 9836

3:55pm 6-21-00

TRUCK ID 20140031

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

78560 lb GROSS
30960 lb TARE
47600 lb NET

INBOUND 78560 lb

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046604765 — Manifest Document No. — 2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
The Irvine Company
550 Newport Center Drive
Newport Beach CA 92660

4. Generator's Phone (949) 720-2292

A. State Manifest Document Number: 20140032

B. State Generator's ID

5. Transporter 1 Company Name: CUMMINS VACUUM Service — 6. US EPA ID Number: CAD981435621

C. State Transporter's ID (Reserved.)

D. Transporter's Phone: (661) 387-1842

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID (Reserved.)

F. Transporter's Phone

9. Designated Facility Name and Site Address
US Ecology Inc
P.O. Box 578, Hwy 95 11 miles south of Beatty
Beatty, NV 89003

10. US EPA ID Number: NVT330101000

G. State Facility's ID

H. Facility's Phone: (775) 553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Haz Waste Solid; N.O.S.; 9; NA 3077; PG III	001	DT	0018	Y	State 611 / EPA/Other D008
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste stream Approval
#0701275S

K. Handling Codes for Wastes Listed Above
a. 99/03 — b. — c. — d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: Jonathan L Buck for The Irvine Co — Signature: [signature] — Month 06 Day 22 Year 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CLIFFORD FRETWELL — Signature: [signature] — Month 06 Day 22 Year 10

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: MARK NEWBORGER — Signature: [signature] — Month 06 Day 22 Year 10

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

RECEIVED
OCT 30 2000
ENVIRONMENTAL HEALTH

TIME IN 2:43pm TICKET NUMBER 9892

3:57pm 6-22-00

TRUCK ID 20140032

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

73220	lb	GROSS		
32660	lb	TARE	INBOUND	73220 lb
40560	lb	NET		

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back page 6.

1644

Department of Toxic Substances Contro
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law
CAD046604765			

GENERATOR

3. Generator's Name and Mailing Address
The Irvine Co
550 Newport Center Dr Newport Beach, CA 92660

4. Generator's Phone (949) 720-2297

A. State Manifest Document Number: 20140036

B. State Generator's ID:

5. Transporter 1 Company Name: Cummins Vacuum Service

6. US EPA ID Number: CAD981435621

C. State Transporter's ID (Reserved): (661) 387-1642

D. Transporter's Phone:

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID (Reserved):

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US Ecology Hwy 95 11 Miles South of Beatty
P.O. Box 578
Beatty, NV 89003

10. US EPA ID Number: NVT330010000

G. State Facility's ID:

H. Facility's Phone: (775) 553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. ~~Hazardous Waste Liquid, N.O.S.; NA3077; PG III~~ RQ (D008)	001	DT	00018	Y	State 611 EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Waste Stream approval
970127535

K. Handling Codes for Wastes Listed Above
a. 99/03
b.
c.
d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: Jon Buck for The Irvine Co
Signature: Jon Buck
Month 06 Day 20 Year 00

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Luis Rodriguez
Signature: Luis Rodriguez
Month 06 Day 20 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
11.a. -12.a.) Manifest correction per Dave Palmer/Advanced-RE 6-21-00,

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Brian Fields
Signature:
Month 06 Day 21 Year 00

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

TIME IN 9:17am TICKET NUMBER 9824

10:37am 6-21-00

TRUCK ID 20140036

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

77500 lb GROSS
29600 lb TARE INBOUND 77500 lb
47900 lb NET

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on bac page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD046604765 — Manifest Document No.
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
THE IRVINE COMPANY
550 NEWPORT CENTER DRIVE
NEWPORT BEACH, CA 92660
4. Generator's Phone (949) 720-2292

A. State Manifest Document Number: 20140037
B. State Generator's ID:

5. Transporter 1 Company Name: J TORRES CO ~~CUMMINS VACUUM SERVICE~~
6. US EPA ID Number: 99059209G CAD981435621
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: (661) 387-1842 8322635

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID [Reserved.]
F. Transporter's Phone

9. Designated Facility Name and Site Address
US ECOLOGY INC.
P.O.Box 578 HWY 95 11 MILES SOUTH of BEATTY
BEATTY, NV 89003
10. US EPA ID Number: NVT330010000
G. State Facility's ID
H. Facility's Phone: (775) 553-2203

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. HAZ SOLID, N.O.S.; 9; NA3077; PG III; (D008) WASTE			0018	Y	State 611 EPA/Other D008
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE STREAM APPROVAL
#070127535

K. Handling Codes for Wastes Listed Above
a. 99/03
b.
c.
d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: JONATHAN BUCK agent for THE IRVINE COMPANY — Signature: Jonathan Buck — Month 01 Day 21 Year 00

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TONY FLORES — Signature: Tony Flores — Month 01 Day 21 Year 00

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Brian Fiddes — Signature — Month 01 Day 21 Year 00

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O Box 3000, Sacramento, CA 95812

TIME IN 3:10pm TICKET NUMBER 9835

3:41pm 6-21-00

TRUCK ID 20140037

US ECOLOGY; BEATTY, NV.
PH: (702-553-2203)

76800	lb	GROSS		
31740	lb	TARE	INBOUND	76800 lb
45060	lb	NET		

ADVANCED ENVIRONMENTAL CONCEPTS INC

August 20, 1996

Mr. Luis Lodriguez
Orange County
Health Care Agency
2009 E. Edinger Avenue
Santa Ana, California 92705

Regarding: **Confirmation Sampling**
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road
Irvine, CA

Dear Mr. Lodrigueza,

Advanced Environmental Concepts, Inc. (AEC) has prepared a summary letter regarding the Confirmation Sampling for the above referenced project/location.

Enclosed please find the summary letter, which AEC is submitting for review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (805) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Project Coordinator / Office Administrator

Attachments: Report (1)

Distribution: 1/ Addressee - REG MAIL
1/ Mr. Peter Changala - Irvine Land Management Company
1/ Bksfld File

RECEIVED
AUG 2 2 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

COUNTY OF ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

May 28, 1996

Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Subject: Excavation of Lead-Contaminated Soil

Re: Orange County Shooting & Training Center - Retarding Basin/Spillway Area
Northern Extension of Jeffrey Road at East Hicks Canyon
Irvine, CA 92720
O.C.H.C.A. Case # 96IC13

Dear Mr. Changala:

Please be advised that this Agency has reviewed the April 1996 reports on the subject activity prepared by your consultant, Advanced Environmental Concepts, Inc. The lead pellet-contaminated soil in the immediate vicinity of the future retarding basin/spillway area (which reportedly will also be transected by the Eastern Transportation Corridor) was excavated and stockpiled in an area west of the excavation site. 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 the lead-contaminated soil in the area specified in the above-referenced location has been adequately addressed at this time.

Please note, however, that although the excavated and stockpiled soil contains TTLC lead concentrations (in sieved samples) of less than 1,000 mg/kg, lead levels still exceed DTSC's action level of 130 mg/kg and therefore represent a potential health hazard if left untended. This Agency will thus consider case closure for the above-referenced location only after demonstration that the stockpiled soil has been properly treated and/or disposed of.

If you have questions regarding this matter, please contact me at (714) 667-3717.

Very truly yours,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
Jonathan L. Buck, Advanced Environmental Concepts, Inc.
William J. Diekmann, Supervising Hazardous Waste Specialist

ORANGE COUNTY SHOOTING & TRAINING CENTER

Orange County Shooting & Training Center
P.O. Box 1105 • Newport Beach, CA 92659 • (714) 559-4525

County of Orange
Health Care Agency
Public Health Services
Environmental Health Division
Hazardous Materials Management Section
2009 E. Edinger Avenue
Santa Ana, California 92705

Attention: Mr. Luis Lodrigueza
Hazardous Waste Specialist

Subject: Orange County Shooting & Training Center
OCHCA Case #961C13

Dear Mr. Lodrigueza:

The Orange County Shooting and Training Center (OCSTC) received the enclosed letter from Irvine Land Management on May 10, 1996 containing OCHCA's letter dated April 11, 1996.

OCSTC has opted to participate in the State of California Environmental Protection Agency, Department of Toxic Substances Control's (Cal EPA DTSC) Voluntary Site Mitigation Program.

A preliminary site assessment of historically and topographically situated major impact zones has been performed. Currently recovery of the metal resource (spent projectiles) is underway. Secondary assessment of the excavated areas of the major Impact Zones has been completed.

OCSTC will keep OCHCA advised on a regular basis of the progress and status of this project

Regards,

Harry Ingram
President
cc: Irvine Land Management

RECEIVED
MAY 16 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH



looks fine
– K

May 22, 1996

Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Subject: Excavation of Lead-Contaminated Soil

Re: Orange County Shooting & Training Center - Retarding Basin/Spillway Area
Northern Extension of Jeffrey Road at East Hicks Canyon
Irvine, CA 92720
O.C.H.C.A. Case # 96IC13

Dear Mr. Changala:

Please be advised that this Agency has reviewed the April 1996 reports on the subject activity prepared by your consultant, Advanced Environmental Concepts, Inc. The lead pellet-contaminated soil in the immediate vicinity of the future retarding basin/spillway area (which reportedly will also be transected by the Eastern Transportation Corridor) was excavated and stockpiled in an area west of the excavation site. 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 the lead-contaminated soil in the area specified in the above-referenced location has been adequately addressed at this time.

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If you have questions regarding this matter, please contact me at (714) 667-3717.

Very truly yours,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
Jonathan L. Buck, Advanced Environmental Concepts, Inc.
William J. Diekmann, Supervising Hazardous Waste Specialist

ADVANCED ENVIRONMENTAL CONCEPTS INC

May 8, 1996

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 E. Edinger Avenue
Santa Ana, California 92705

Regarding: **Orange County Shooting and Training Center**
Northern Extension of Jeffrey Road
Irvine, CA

Dear Mr. Lodrigueza:

Advanced Environmental Concepts, Inc. (AEC) has prepared the Additional Soil Excavation Report for the above referenced project/location.

Enclosed please find that report, which AEC is submitting for review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (805) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Project Coordinator / Office Administrator

Distribution:
1/ Addressee - REG MAIL
1/ Mr. Peter Changala
1/ Mr. Noel Humphrey
1/ Mr. Glen Land
1/ Ms. Anne Brown
1/ Bksfld File

RECEIVED
MAY 1 0 1995
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900
FAX 714/538-1209

CLIENT

Advanced Environmental Concept (4283)
Attn: Jon Buck
4400 Ashe Road
Suite #206
Bakersfield, CA 93313

LAB NO H17461

REPORTED 04/19/96

SAMPLE Soil

RECEIVED 04/18/96

IDENTIFICATION O.C. Shooting & Training Center

BASED ON SAMPLE Date Collected 04/18/96
As Submitted with County Seals Intact

Sample Identification	Lead EPA 7420
OCHCA-1	9.40 mg/kg
OCHCA-2	ND< 5 mg/kg
OCHCA-3	ND< 5 mg/kg

ASSOCIATED LABORATORIES, by:

Michael G. Chapman
Director Environmental Services

MGC/ql

cc: O.C. Health Care Dept.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

1-1 10M

17461

24 HR T.A.T (SB)

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. TO BE COMPLETED BY LABORATORY ANALYST

LAB NO.: H17461

DATE RECEIVED: 4/18/96

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: X COUNTY SEAL(S) INTACT: X

CONTAINER IN GOOD CONDITION: X

DATE ANALYSIS COMPLETED: 4/19/96

ANALYST: [signature]

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: OC Shooting + Trng Ctr
Jeffrey Road Extn., Irvine

DATE OF COLLECTION: 4-18-96

SAMPLE COLLECTOR/COMPANY: Jon Buck HCS

TELEPHONE NO.:

HCA REPRESENTATIVE: Luis Lodriguez

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION
OCHCA-1	Total Pb (7420)	Re-scraped strip down	1:52
OCHCA-2	"	to approx. 1ft from	1:52
OCHCA-3	"	original clayey surface	1:55

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.	[signature]	HCA	4-18-96. 1:57
2.	[signature]	HCA	4-18-96
3.	[signature]	ASSOC LAB	4/18/96 . 3:04
4.	[signature]	ASSOC LAB	4/19/96 . 4:01
5.	[signature]	ASSOC. LAB	4/19/96 . 1600 HRS.
6.			

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(RB/89)

RECEIVED
APR 24 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

CHAIN OF CUSTODY

Orange County Health Care Agency
Environmental Health Division
2009 E. Edinger Ave., Santa Ana, CA 92705
Telephone: (714) 667-3700

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: _____

_____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

_____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. **CHAIN OF CUSTODY**

1.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
2.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
3.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
4.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
5.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
6.	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9.1531.1(R6/89)

Advanced Environmental Concepts, Inc.

Panafax Distribution

We have 5 page(s) to send, plus cover page.

If you need a re-send on any of the pages please call the number listed below within 15 minutes. If we do not hear from you, we will assume that all pages were received.

Facsimile sent to:

DATE: 5-14-96

TO: OCHA

ATTN: Lisa Sedivy

FAX Telephone #: (714) 972-0749

Office Telephone #:

Facsimile from:

NAME: Jonathan Buck

COMPANY: Advanced Environmental Concepts, Inc.

4400 Ashe Road, Suite 206

Bakersfield, California 93313

FAX Telephone #: 805/831-1771

Office Telephone #: (805) 831-1646

[ ]	For your comments	[ ]	As you requested
[ ]	Please call me about this	[ ]	As we discussed
[ ]	Approve, sign, and fax back	[ ]	No response required

The hard copy of this transmittal is [ ] is not [X] being sent by mail.

FACSIMILE REGARDING: results for sampling performed on 3-7-96 - Orange County Shooting & Training Ctr.

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900 FAX 714/538-1209

CLIENT

Advanced Environmental Concept (4283)
Attn: Jon Buck
4400 Ashe Road
Suite #206
Bakersfield, CA 93313

LAB NO. H15403

REPORTED 03/08/96

RECEIVED 03/07/96

SAMPLE Soil
IDENTIFICATION Irvine - Skeet
Jeffrey/Bee Canyon, Irvine
Date Collected 03/07/96
BASED ON SAMPLE As Submitted

Sample Identification	Total Lead
5262 G	ND< 5 mg/kg
5262 W G	5,060 mg/kg
*5262 E G	128 mg/kg
5262 S G	292 mg/kg
5262 N G	3,800 mg/kg
*5906 N G	85 mg/kg
5906 W G	26 mg/kg
5906 E G	19 mg/kg
*5906 S G	ND< 5 mg/kg
5906 G	5,080 mg/kg
*5906 N-E G	16 mg/kg
5906 N-E2 G	ND< 5 mg/kg
*5262 E2 G	427 mg/kg
5262 N-E G	-----
*5250 G	178 mg/kg
5250 S G	ND< 5 mg/kg
5250 W G	215 mg/kg
5250 E G	64,900 mg/kg
*5250 N G	812 mg/kg
5250 N2 G	392 mg/kg

***Sieved before digestion using 20 mesh sieve.**

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TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •

10M

Client: Advanced Environmental Concept
Lab No.: H15403
Date: March 08, 1996

Sample Identification	Total Lead
5250 N3 G	464 mg/kg
5906 N-S G	47 mg/kg
5906 N4 G	ND< 5 mg/kg

ASSOCIATED LABORATORIES, by:

Michael G. Chapman
Director Environmental Services

MGC/ql

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

CHAIN-OF-CUSTODY RECORD

H15403

Client: AEC	Date: 3/7/96		LAB Project #
Project Name: Irvine - SKEET	Client Project#		Page: of 3
Project Address: Jeffrey/Bee Canyon, Irvine CA	Turn Around Requested: ☒ 24-Hour-Rush ☐ 48-Hour-Rush ☐ Normal ☐ Mobile Lab		Lab Use Only. Sample Condition as received: Chilled Yes / No Sealed Yes / No
Sampler's Signature: Scott Ford			

Sample	Sample Location	Date	Time	Laboratory Sample Number	Sample Matrix: Soil(S) Sludge(SL), Aqueous(A)	Analysis Requested: Total Lead	Number of Containers	Container / Comment
5262G 18"	1	3/7/96			S	/	2	Only run the
5262W G 18"	2				S	/	2	G samples.
5262-E G, 18"	3				S	/	2	Hold the 18"
5262-S G, 18"	4				S	/	2	samples
5262-N G, 18"	5				S	/	2	
5906N G, 18"	6				S	/	2	
5906W G, 18"	7				S	/	2	
5906E G, 18"	8				S	/	2	
5906S G, 18"	9				S	/	2	
5906 G, 18"	10				S	/	2	

❶ Relinquished by: (Signature) Scott Ford	Date 3/7/96	❷ Received by: (Signature) Fenwick 3-7-96	Date 15:20	20	Total Number of Containers
Company: AEC	Time	Company:	Time		
❸ Relinquished by: (Signature)	Date	❹ Received by Laboratory: (Signature) Jhawing	Date 3-7		
Company:	Time	Company: Basic Lab	Time 1605		

ADVANCED ENVIRONMENTAL CONCEPTS INC
805/631-1646
FAX 805/631-1771
4400 ASHE ROAD #206
BAKERSFIELD, CA 93313

MAY 14 '96 09:39 FR AEC 805 631 1771 TO 17149720749 P.04

CHAIN-OF-CUSTODY RECORD

| | | |

CHAIN-OF-CUSTODY RECORD

| | | |

Associated Laboratories

806 North Batavia
Orange, CA. 92668

FAX

Date: 4-19-96

Number of pages including cover sheet: 2

To: Luis

Phone:

Fax phone:

CC: 972-0749

From: Kim

Phone: (714) 771-6900

Fax phone: (714) 538-1209

REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900 FAX 714/538-1209

CLIENT

Advanced Environmental Concept (4283)
Attn: Jon Buck
4400 Ashe Road
Suite #206
Bakersfield, CA 93313

LAB NO H17461

REPORTED 04/19/96

SAMPLE Soil

RECEIVED 04/18/96

IDENTIFICATION O.C. Shooting & Training Center

BASED ON SAMPLE Date Collected 04/18/96
As Submitted with County Seals Intact

Sample Identification	Lead EPA 7420
OCHCA-1	9.40 mg/kg
OCHCA-2	ND< 5 mg/kg
OCHCA-3	ND< 5 mg/kg

ASSOCIATED LABORATORIES, by:

Michael G. Chapman
Director Environmental Services

MGC/ql

cc: O.C. Health Care Dept.

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
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APR 19 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ADVANCED ENVIRONMENTAL CONCEPTS INC

April 12, 1996

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 E. Edinger Avenue
Santa Ana, California 92705

Regarding: **Orange County Shooting and Training Center**
Northern Extension of Jeffrey Road
Irvine, CA

Dear Mr. Lodrigueza:

On April 4, 1996, **Advanced Environmental Concepts, Inc.** (AEC) mailed to your office the Excavation Remediation Report for the above referenced project/location. We are enclosing an additional map that should go with that report. This map shows the sample locations by AEC's "Sample Identification".

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (805) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Project Coordinator / Office Administrator

Attachments: Map (1)

Distribution: 1/ Addressee - REG MAIL
1/ Mr. Peter Changala
1/ Mr. Noel Humphrey
1/ Mr. Glen Land
1/ Ms. Anne Brown
1/ Bksfld File

ADVANCED ENVIRONMENTAL CONCEPTS INC

April 8, 1996

Mr. Luis Lodrigueza
Orange County
Health Care Agency
2009 E. Edinger Avenue
Santa Ana, CA 92705

Re: **Soil Excavation Report**
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Our client, The Irvine Company, has requested regulatory oversight from Orange County Health Care Agency for the above referenced site. They are aware that they will be charged $123 per hour for this oversight. The contact person and billing address is as follows:

Mr. Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Thank you for your time and effort concerning this matter.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Senior Geologist

JLB:dji

RECEIVED
APR 15 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

COUNTY OF ORANGE

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3700

April 11, 1996

Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Subject: Request for Site Investigation

Re: Orange County Shooting & Training Center
Northern Extension of Jeffrey Road (East Hichs Canyon)
Irvine, CA 92720
O.C.H.C.A. Case # 96IC13

Dear Mr.Changala:

Based on information received by this Agency, it has been determined that a release of lead (Pb) to soil has occurred at the location referenced above. According to our records, you have been identified as responsible for the property at which this release occurred. Due to concerns that this release may represent a public health or environmental hazard, this Agency requests that you implement a site investigation to assess the extent and significance of this release; and where necessary take remedial action.

The documentation of this release has become a part of this Agency's records, and as such is now part of the public record. Be advised that in addition to local, state and federal hazardous substance release reporting requirements, any owner of nonresidential real property who knows, or has reasonable cause to believe, that any release of a hazardous substance has come to be located on or beneath that real property shall, prior to sale, lease, or rental of the real property, give written notice of that condition to each buyer, lessee, or renter of the real property (California Health and Safety Code [H&SC], Division 20, Chapter 6.8, Section 25359.7[a]). Also any lessee or renter of real property who knows or has reasonable cause to believe that any release of a hazardous substance has come or will come to be located on or beneath that real property shall, following its discovery, give written notice of that condition to the owner of the real property or the lessor (H&SC 25359.7[b]).

This Agency will provide governmental oversight at contaminated sites where State or Federal law does not require oversight by another governmental agency, or where an order to investigate or remediate a site has not already been issued by an empowered State or Federal Agency. You may elect to have this Agency provide oversight at the above referenced site to satisfy possible city or county land use concerns; lender, buyer, lessee, or renter concerns; or your own concerns. Upon the satisfactory completion of a site investigation and any necessary soil remediation, this Agency will write a letter of completion. Where the site investigation reveals a possible threat to groundwater resources, your site will be referred to the appropriate Regional Water Quality Control Board (RWQCB) for review.

When the RWQCB requires soil remedial action you will be requested to submit remedial action plans to both Agencies for review and concurrence.

You may also request governmental oversight from the California's Environmental Protection Agency, Department of Toxic Substances Control (DTSC). This Agency may request that the DTSC review case documentation for the purpose of determining whether mandatory case oversight will be required, when the responsible party does not request voluntary governmental case oversight.

If you choose to seek oversight from this Agency of this site, a per hour service fee will be assessed for the actual time Health Care Agency (HCA) staff expend in overseeing the site investigation and remediation. Per resolution of the County Board of Supervisors, the current site cleanup oversight fee is $123 per hour.

If after considering the above you choose to have this Agency oversee the site investigation and remediation, submit a letter to this office requesting this Agency's oversight and acknowledging that a fee will be charged. A site investigation workplan will need to be submitted to this office for review and concurrence by HCA oversight staff prior to the implementation of site investigation activity. The review and concurrence by HCA staff of the workplan will assure the collection of appropriate site assessment data.

All required permits must be obtained prior to beginning exploratory borings and construction of wells. All borings and abandoned wells must be properly sealed. Wells should be secured to prevent unauthorized access. For further information regarding required well permits and well abandonment, call (714) 667-3750. Drilling procedures, well design and construction must be accomplished in a manner that prevents the spread of contamination. Design and procedures should be developed by an appropriate registered professional (R.G., C.E.G., or equivalent) with expertise in subsurface investigations. Reports that include logs of soil borings or any findings or conclusions relating to subsurface formations must be signed by a properly registered professional (R.G., C.E.G., or equivalent).

Site assessment can begin as soon as possible after review and concurrence of the workplan by HCA staff. Be sure to notify this office 48 hours in advance of any site sampling activity.

The next step after completion of the site investigation, is the submittal of a report to HCA for review and concurrence which outlines the findings of the site investigation and presents a proposed remedial action plan. The remedial action plan should be implemented as soon as possible after review and concurrence by HCA staff. After the remedial action plan has been fully implemented, remediation completion will be determined by site sampling overseen by HCA staff.

If you have any questions regarding this matter, please contact me at (714) 667-3717.

Very truly yours,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Management Section
Environmental Health Division

LL:

cc: Robert Holub, Santa Ana Regional Water Quality Control Board
Chief - Site Mitigation Program, Department of Toxic Substances Control
Jonathan L. Buck, Advanced Environmental Concepts, Inc.
William J. Diekmann, Supervising Hazardous Waste Specialist

•ADVANCED ENVIRONMENTAL CONCEPTS INC•

April 8, 1996

Mr. Luis Lodrigueza
Orange County
Health Care Agency
2009 Ed. Edinger Avenue
Santa Ana, CA 92705

Re: **Soil Excavation Report**
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Our client, The Irvine Company, has requested regulatory oversight from Orange County Health Care Agency for the above referenced site. They are aware that they will be charged $123 per hour for this oversight. The contact person and billing address is as follows:

Mr. Peter Changala
The Irvine Land Management
P.O. Box 6370
Newport Beach, CA 92658-6370

Thank you for your time and effort concerning this matter.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Senior Geologist

JLB:dji

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APR 19 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

Advanced Environmental Concepts, Inc.

Panafax Distribution

We have 1 page(s) to send, plus cover page.

If you need a re-send on any of the pages please call the number listed below within 15 minutes. If we do not hear from you, we will assume that all pages were received.

Facsimile sent to:

DATE: 4-10-96

TO: OCHCA

ATTN: Luis Rodriguez

FAX Telephone #: (714) 972-0749

Office Telephone #:

Facsimile from:

NAME: Debbie Irwin

COMPANY: Advanced Environmental Concepts, Inc.

4400 Ashe Road, Suite 206

Bakersfield, California 93313

FAX Telephone #: 805/831-1771

Office Telephone #: (805) 831-1646

[ ]	For your comments	[ ]	As you requested
[ ]	Please call me about this	[ ]	As we discussed
[ ]	Approve, sign, and fax back	[ ]	No response required

The hard copy of this transmittal is [X] is not [ ] being sent by mail.

FACSIMILE REGARDING: Here's the Luis - letter

Debbie

4400 Ashe Road #206 • Bakersfield, California 93313 • (805) 831-1646 • FAX: 805/831-1771

COUNTY OF ORANGE

TOM URAM
DIRECTOR

HUGH F. STALLWORTH, M.D.
HEALTH OFFICER

ENVIRONMENTAL HEALTH DIVISION
ROBERT E. MERRYMAN, REHS, MPH
DEPUTY DIRECTOR

HEALTH CARE AGENCY
PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
2009 E. EDINGER AVENUE
SANTA ANA, CALIFORNIA 92705
(714) 667-3600
FAX: (714) 972-0749

FAXED
APR 10 1996
BY: _____

• FAX TO THE FOLLOWING NUMBER: (805-831-1771)

THE FOLLOWING PAGES ARE FOR:

• Name of Individual: Jonathan L. Buck

• Firm Name: Advanced Environmental Concepts, Inc.

• Documents Transmitted: Oversight Letter Request

• Comments: Please send revised letter stating that the Responsible Party/ Property owner acknowledges that he will be billed an oversight fee of $123 per hour for staff time, and include Contact Person and billing address. Thanks.

• From: Luis Rodriguez
HCA/Environmental Health

TOTAL NUMBER OF PAGES:

• This information Sheet plus 0 Page(s)

• Date: 4/10/96 • Time: _____ a.m. 2:30 p.m.

If you do not receive all the pages, PLEASE CALL (714) 667-3771 AS SOON AS POSSIBLE.

FAX Operator: Mary P.

ADVANCED ENVIRONMENTAL CONCEPTS INC

April 8, 1996

Mr. Luis Lodrigueza
Orange County
Health Care Agency
2009 E Edinger Avenue
Santa Ana, CA 92705

Re: **Soil Excavation Report**
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Our client, The Irvine Company, has requested regulatory oversight from Orange County Health Care Agency for the above referenced site.

Thank you for your time and effort concerning this matter.

Sincerely,

Advanced Environmental Concepts, Inc.

Jonathan L. Buck
Senior Geologist

JLB:dji

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APR 10 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

ADVANCED ENVIRONMENTAL CONCEPTS INC

April 4, 1996

Mr. Luis Lodrigueza
Orange County Health Care Agency
2009 E. Edinger Avenue
Santa Ana, CA 92705

Regarding: **Soil Excavation Report**
Orange County Shooting and Training Center
Northern Extension of Jeffrey Road
Irvine, California

Dear Mr. Lodrigueza,

Advanced Environmental Concepts, Inc. (AEC) has prepared the Soil Excavation Report for the above referenced project/location.

Please find enclosed that report, which AEC is submitting for your review.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (805) 831-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

Debbie Irwin
Project Coordinator / Office Administrator

Attachments: Report (1)

Distribution: 1/ Addressee - REG MAIL
1/ Mr. Peter Changala
1/ Mr. Noel Humphrey
1/ Mr. Glen Land
1/ Ms. Anne Brown
1/ Bksfld File

4-8-96
Call Jon Buck - Vol. Coord for OC
- sent copy to Reg. Bd.

RECEIVED
APR 5 1996
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGALA Office Phone: (949) 720-2292 Fax: _____

Cell Phone: _____ E-mail: _____

DATE	STAFF	ACTIVITIES
8/4/14	S. SPEER	RECEIVED THE LAB REPORTS FROM THE JULY 18 SOIL SAMPLING. THE CONCENTRATIONS OF LEAD IN THE SOIL RANGED FROM 21,300 MG/KG IN THE PR-10 AREA TO A HIGH OF 12,500 IN THE PR-24 AREA. THE HIGHEST CONCENTRATION OF LEAD IN THE PR-5 AREA OF 11,900 MG/KG.
11/7/16	gsh	Phone call to Peter Changala. left message re: site status. Indicated that not ready to continue yet.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGAA Office Phone: (949) 720-2292 Fax: _____

Cell Phone: _____ E-mail: _____

DATE	STAFF	ACTIVITIES
7/9/14	S. SPEER	RECEIVED AN E-MAIL FROM PETER ANDERSON. HE WANTS TO SAMPLE THE SOIL ON 7/17/14-7/18/14 (THURSDAY AND FRIDAY). I REPLIED TO HIM THAT I WAS AVAILABLE.
7/15/14	S. SPEER	RECEIVED AN E-MAIL FROM PETER ANDERSON. HE CONFIRMED THAT ON-SITE SOIL SAMPLING IS SCHEDULED FOR THIS COMING THURSDAY (7/17/14) AND FRIDAY (7/18/14). I REPLIED TO HIM THAT I HAVE HIM ON MY SCHEDULE.
7/16/14	S. SPEER	RECEIVED AN P.C. FROM PETER ANDERSON. HE SAID THAT HE WILL SET UP SAMPLE LOCATIONS IN THE MORNING. I WILL NOT BE NEEDED UNTIL 12:00PM. HE LEFT HIS CELLPHONE NUMBER. P.C. TO PETER. I ACKNOWLEDGED HIS REQUEST AND ASKED HIM FOR DIRECTIONS TO THE SITE.
7/17/14	S SPEER	ON-SITE FOR SOIL SAMPLING (SMALLOW). (SEE FIELD ACTIVITY DESCRIPTION). THE 0.5 FT. DEEP SAMPLES WERE COLLECTED TODAY. THE 2 AND 5 FOOT DEEP SAMPLES WILL BE COLLECTED TOMORROW.
7/18/14	S. SPEER	ON-SITE FOR COLLECTION OF THE IVG PROPERTY OF SOIL SAMPLES THAT INCLUDE THE IMPACT BERM FROM THE POLICE FAST-REACTION COURSE. THIS SOIL HAS BEEN SPREAD AS A 5-10 FOOT LAYER ACROSS THE ENTIRE IVG PROPERTY. THIS AREA IS NOW ABOUT 10,000 FT.!

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13JC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER
ADDRESS: 11159 JEFFREY ROAD
CITY: IRVINE STATE: CA ZIP CODE: 92602
CONTACT: PETER CHANG ACA Office Phone: (949) 720-2292 Fax:
IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
6/18/14	S. Speer	RECEIVED AN E-MAIL FROM GENIERE MCGOWAN THE WORKPLAN APPROVAL LETTER HAS BEEN CORRECTED. APPROVED HER CORRECTIONS AND REVISED PER HER DIRECTION.
6/19/14	S Speer	SENT E-MAIL COPIES OF LETTER TO KAMRON SAREMI (SARWQCB) AND PETER ANDERSON.
6/23/14	S. Speer	P.C. FROM PETER ANDERSON AT ADVANCED ENV. CONCEPTS. HE HAD SOME QUESTIONS ABOUT THE APPROVAL LETTER (MESSAGE) MADE A P.C. TO PETER ANDERSON (LEFT MESSAGE). I SAID THAT I HAD JUST RETURNED TO THE OFFICE, AND I WOULD BE IN TOMORROW AT 8:30 AM. I WOULD CALL HIM, IF I HAVEN'T HEARD FROM HIM BY 9:00 AM.
6/24/14	S. Speer	P.C. FROM P. ANDERSON WITH REQUEST FOR ME TO CALL HIM. P.C. TO P. ANDERSON WE DISCUSSED THE DEPTH OF SAMPLING IN THE RANGE WHERE THE HIGHEST CONCENTRATIONS IN THE SOIL ARE AT 1/2 FT BGS. HE AGREED THAT THE LETTER THAT I SENT TO HIM WOULD RESULT IN LESS TOTAL SAMPLES THEN HIS PLANNED "STEP-OUT" SAMPLING. IN THE AREA OF THE PISTOL RANGE THE HIGHEST CONCENTRATIONS IN THE SOIL ARE AT 2 FT. BGS. WE AGREED THAT THE SAMPLES IN THIS AREA WILL ALL BE AT 2 FT. BGS.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13JC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGKA Office Phone (949) 770-2292 Fax:

IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
6/12/14	S. SPEER	BEGAN REVIEWING SOIL ASSESSMENT WORK PLAN. THE WORK PLAN PROPOSED TO STEP OUT SAMPLING AROUND PR-10, PR-5 AND PR-24. THE STEP OUT SAMPLES WILL BE COLLECTED 10-FEET NORTH, SOUTH, EAST AND WEST OF THE ABOVE SAMPLES AND AT 0.5' BGS FOR PR-10 AND 3- AND 5 FT. BGS FOR PR-5, TO DEFINE THE VERTICAL EXTENT OF THE CONTAMINATION. THE BACKGROUND SECTION DISCUSSES SOME SAMPLING THAT I DID NOT RECORD IN THE NOTES AS BEING REVIEWED IN PREVIOUS ASSESSMENT REPORTS. WHEN AET RETURNED TO THE SITE IN 2003 EIGHT CONFIRMATION SAMPLES WERE TAKEN. LEAD CONC. WAS BETWEEN 21.5 AND 160 mg/kg. THIS EXCEEDED THE RESIDENTIAL PRG OF 150 mg/kg. THIS IS THE FIRST REPORT THAT I HAVE READ WHERE RESIDENTIAL STANDARDS WERE APPLIED ON THIS SITE. THIS WAS THE LEAD VALUE THAT WAS USED IN LEAD SPREAD) TO CALCULATE THE CHILDHOOD BLOOD LEAD CONCENTRATION.
6/13/14	S. SPEER	BEGAN PREPARING WORK PLAN ACCEPTANCE LETTER THAT DESCRIBES THE SAMPLE AREA THAT MUST BE COVERED, AS OPPOSED TO JUST "STEP-OUT SAMPLES". NOTE: GENEVIEVE MCGUINS IS NOT IN TODAY TO REVIEW THIS LETTER SO THAT I CAN MAIL IT OUT. P.C. TO PETER ANDERSON
6/16/14	S. SPEER	RECEIVED AN E-MAIL FROM PETER ANDERSON ACKNOWLEDGING MY P.C. OF FRIDAY P.M. SENT HIS WORKPLAN APPROVAL LETTER TO GENEVIEVE MCGUINS FOR HER REVIEW.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13JC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANDRA Office Phone: (949) 720-2292 Fax:

IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
5/20/14	S. SPEER	(CONTINUED) I EXPLAINED THAT HE JUST HAS TO ACCOUNT FOR THE HOT SPOT OF AREA 10 ON THE RIFLE RANGE, THIS IS ROUGHLY DEFINED AS THE TOTAL AREA BETWEEN #11, #10 AND #5. THIS IS AN EQUILATERAL TRIANGLE WITH ~~AND~~ EACH LEG ≅ 150 FT. TOTAL AREA ∴ = $(\sqrt{3}/4)(150)^2 \cong 9700$ FT^2. THIS IS ABOUT THE SIZE OF FOUR HOUSES OR A GAS STATION. USING 50 FT. CTRS. IT WOULD BE ABOUT (8) SAMPLES. IN THE PISTOL RANGE HE NEEDS TO SAMPLE IN AREA #5 AND #24. THIS IS A TRIANGLE WITH AN AREA OF $(\sqrt{3})(50)^2$ = 1082 FT^2. ABOUT 3-5 SOIL SAMPLES SHOULD BE ADEQUATE. HE SAID THAT HE WOULD CHECK WITH HIS MANAGEMENT BEFORE SUBMITTING A FINAL WORK PLAN.
6/4/14	S. SPEER	RECEIVED AN E-MAIL FROM APRIL ~~SPEER~~ ATTACHED WAS A WORK PLAN FOR SOIL ASSESSMENT. I SENT A REPLY TO APRIL STATING THAT I NEED A HARD COPY. SHE SENT A REPLY TO ME STATING THAT IT HAS ALREADY BEEN MAILED OUT. I RECEIVED A P.C. FROM FROM PETER ANDERSON, YESTERDAY, REQUESTING A DISCUSSION ABOUT THE WORK PLAN. I HAVEN'T YET RETURNED HIS P.C.
6/5/14	S. SPEER	P.C. TO PETER ANDERSON (LEFT MESSAGE) I SAID THAT I HAD RECEIVED THE ELECTRONIC COPY OF THE WORK PLAN BUT NOT THE HARD COPY YET. I WOULD CALL HIM AGAIN WHEN I HAVE REVIEWED THE WORK PLAN.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IE0026

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER
ADDRESS: 11159 JEFFREY ROAD
CITY: IRVINE STATE: CA ZIP CODE: 92602
CONTACT: PETER CHANG (IRVINE COMPANY) Office Phone: (949) 720-2292 Fax:
Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
5/6/14	S. Speer	PREPARED AN E-MAIL TO PETER ANDERSON BASED UPON MY REVIEW OF THE FIGURES THE "PISTOL RANGE" (WHICH FORMS THE BASE CANYON ACRES ROAD) I ASKED HIM IF THERE WASN'T A MISTAKE, BECAUSE I REMEMBERED THAT THE PISTOL RANGE WAS ACTUALLY PART OF THE RIFLE RANGE. RECEIVED A REPLY FROM PETER ANDERSON. HE SAID THAT THE TYPE OF PROJECTILES FOUND ON THE RIFLE RANGE HELPED TO IDENTIFY THE AREA, BUT NO PROJECTILES WERE FOUND ON THE "PISTOL RANGE". THIS AREA DID HOWEVER, HAVE CLAY TARGET FRAGMENTS ~~WERE~~ LOCATED ON THE EAST SIDE.
5/19/14	S Speer	RECEIVED A P.C. FROM PETER ANDERSON. HE LEFT A MESSAGE) ASKING ~~HE~~ IF IT WAS APPROPRIATE TO PROCEED WITH A HUMAN HEALTH RISK ASSESSMENT AT THIS SITE. P.C. TO PETER ANDERSON. I ASKED HIM WHAT HE INTENDED TO DO WITH THE SAMPLE AREAS THAT EXCEED COMMERCIAL RSL. (LEFT MESSAGE) A FURTHER STATED THAT OCHCA, GENERALLY DOES NOT ACCEPT AVERAGING OR THE USE OF STLC AS A SURROGATE OF EXPOSURE. I ASKED HIM TO CALL ME.
5/20/14	S. Speer	P.C. FROM PETER ANDERSON. HE ASKED IF A TOXICOLOGICAL ANALYSIS WAS EVER NECESSARY BECAUSE THIS AREA WILL HAVE NO HUMAN USE. I EXPLAINED TO HIM THAT IF MANAGEMENT IS PRESENTED WITH THAT, HE WOULD GET NO CLOSURE AT ALL. THE AGENCY DOES NOT DO ECOLOGICAL ANALYSIS

(CONTINUED)

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13FC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGMA Office Phone: (949) 720-2292 Fax:

IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
5/1/14	S. SPEER	(CONTINUED) SOIL BACKGROUND CONC. IS 97.1 MG/KG. CHHSL IS 320 MG/KG. THE PEC IS 1000 MG/KG. BEFORE 2009 THE CHHSL WAS 3500 MG/KG. WE ALSO DISCUSSED THE NEED TO DO GW SAMPLING. THE PREVIOUS CASE HAD A WET TEST LEAD CONCENTRATION OF 75 MG/L (STLC) AND EXCAVATED IT. I TOLD PETER THAT I WOULD TALK TO KAMRON SAREMI ABOUT THE NEED TO SAMPLE GROUNDWATER. THE WATER TABLE MAY BE PROBABLY DEEP IN THE FOOTHILLS. RESEARCHED GEOTRACKER. THERE ARE NO GW WELLS FROM CLEANUP SITES IN THE IMMEDIATE VICINITY. REVIEWED THE OCWD WELL MAP. THE ONLY WELL IN THE AREA IS A PRODUCTION WELL (LMA-I). FURTHER SOUTH ARE A CLUSTER OF INACTIVE PRODUCTION WELLS (UOC-B9). THEY LIE BETWEEN THE 80 AND 100 FOOT CONTOURS. RECEIVED AN E-MAIL FROM PETER ANDERSON. ALL OF THE MAPS THAT I REQUESTED ARE ATTACHED. DOWNLOADED AND PRINTED THESE MAPS.
5/2/14	S. Speer	REVIEWED THE MAPS AND FILES THAT I DOWNLOADED YESTERDAY. THE TABLES ARE SO SMALL AS TO BE ILLEGIBLE. TRIED TO GET A BLOW-UP OF THE .pdf FILES ENDED-UP USING A MAGNIFYING GLASS. THE HIGHEST CONCENTRATION OF LEAD WAS (IN A RANGE) 1800 MG/KG IN RR-10 @ 0.5 FT. BGS. IN THE PISTOL RANGE IT WAS 1700 MG/KG AT PR 24-0.5. BGS.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11159 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGANA Office Phone: (949) 720-2292 Fax: _____

IRVINE COMPANY Cell Phone: _____ E-mail: _____

DATE	STAFF	ACTIVITIES
4/25/14	S. Speer	Discussed letter w/ Genece Higgins. Received final comments from her on letter. Scanned signed letter into computer. Mailed letter. E-mailed copy of signed letter to Hamed Saremi, and Jonathan Buck.
4/30/14	S. Speer	Received a phone call from Peter Anderson at AEC. He wants to discuss the letter and update the file for case progress. P.C. to Pete Anderson (5:00 PM) (949) 371-3690 (left message). His message stated that most of the work that Luis approved has been done. I acknowledged that and let him know in my message that I will still need a map that describes all of the range in the proper orientation.
5/1/14	S. Speer	PC from P. Anderson we discussed the geography of the site at length, and the questions that I requested in my letter of 4/25/14. The areas that are marked in yellow as "disturbed" are places where the soil from the impact berms has been graded into native soil. For the pistol range this is the same soil that was described on the bottom of page 2. Peter agreed to send me a blow-up map that shows all of the areas on the same map. We discussed the sampling results. They have found a maximum concentration of total lead in soil of 1800 mg/kg. The RSL is 800 and Kearney Max (continued)

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IC006

RO # 0003595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER
ADDRESS: 11159 JEFFREY ROAD
CITY: IRVINE STATE: CA ZIP CODE: 92602
CONTACT: PETER CHANGACA Office Phone (949) 720-2292 Fax:
IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
4/9/14	S. SPEER	BEGAN PREPARING REQUEST FOR UPDATE OF STATUS OF THE SAMPLING WORK PLAN. REVIEWED THE 96IE FILE FROM THE BEGINNING. NOTICED THAT THIS CASE WAS ORIGINALLY OVERSEEN BY DTSC. THERE HAS BEEN NO CONTACT WITH THE R.P. OR THE CONSULTANT SINCE LUIS LOPEGUERA APPROVED THE SOIL ASSESSMENT WORK PLAN IN MARCH 2013 - 1 YEAR AGO.
4/11/14	S SPEER	CONTINUED TO PREPARE REQUEST FOR SOIL ASSESSMENT WORK PLAN STATUS REPORT. SENT COMPLETED LETTER TO GENIECE HIGGINS FOR HER REVIEW.
4/14/14	S. SPEER	RECEIVED LETTER RETURNED FROM GENIECE HIGGINS WITH HER COMMENTS. DISCUSSED THIS WITH HER IN PERSON. APPARENTLY, THIS IS A COMMON PROBLEM WITH IRVINE COMPANY PROPERTY THAT HAS REQUIRED EXCAVATION AS A REMEDIAL OPTION. SHE REQUESTED A CONFERENCE CALL W/ JON BUCK, BEFORE WE PROCEED.
4/16/14	S. SPEER	RECEIVED E-MAIL FROM GENIECE HIGGINS. SHE SAID THAT WE STILL NEED TO DISCUSS THIS SITE.
4/22/14	S SPEER	REVIEWED FILE AND LETTER.
4/23/14	S. SPEER	REVISED LETTER PER MEETING W/ G. HIGGINS. E-MAILED LETTER TO GENIECE HIGGINS.
4/24/14	S. SPEER	RECEIVED LETTER BACK FROM GENIECE HIGGINS W/ COMMENTS. RETURNED TO GENIECE.

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13IC006

RO # 3595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC SHOOTING AND TRAINING CENTER

ADDRESS: 11959 JEFFREY ROAD

CITY: IRVINE STATE: CA ZIP CODE: 92602

CONTACT: PETER CHANGACA Office Phone: (949) 720-2292 Fax:

IRVINE COMPANY Cell Phone: E-mail:

DATE	STAFF	ACTIVITIES
3/3/14	S. SPEER	REVIEWED SOIL ASSESSMENT WORK PLAN FROM FEBRUARY 2013. PROPOSES TO COLLECT SOIL SAMPLES AT 0.5 AND 2.0 FT. BGS AT (40) LOCATIONS. (15) OF THESE LOCATIONS WERE AT THE POSITION OF THE FORMER RIFLE RANGE AND (25) OF THESE LOCATIONS WERE AT THE POSITION OF THE FORMER PISTOL RANGE. THE WP STATES THAT THE SOIL SAMPLES ARE TO BE BROUGHT TO THE SURFACE USING A HAND AUGER, AND TRANSFERED TO GLASS JARS. I DON'T FIND A NOTATION IN THIS CASE ACTIVITY LOG THAT THE SAMPLE COLLECTION EVER TOOK PLACE. IF IT DID, IT MAY NOT HAVE BEEN WITNESSED BY LUIS LODRIGUETA. THE BACKGROUND SECTION OF THE WP SAYS THAT THE HIGHEST CONCENTRATION OF LEAD IN THE SOIL FROM THE IMPACT BERMS WAS DETERMINED TO BE 64,900 MG/KG (0-1.5 FT BGS USING TTLC METHOD). [FROM THE SHEET RANGE]. THE WP FURTHER STATES THAT THREE LOCATIONS (5 FT. BGS) EXCEED THE STLC OR 5 MG/L. THE SOIL SAMPLES FROM THE PISTOL RANGE (SOUTH OF THE FORMER SHEET RANGE) HAD A LEAD CONCENTRATION OF 40,460 MG/KG. THIS EXCEEDED THE TTLC OF 1000 MG/KG (TOTAL LEAD). THE APPARENT 2003 CLOSURE WAS BASED ON A RISK LEVEL THAT WAS DETERMINED BY LEAD SHEET 7 METHODOLOGY THAT THE FINAL SURFACE LEAD LOAD. (168 MG/KG) DID NOT EXCEED THE 99TH PERCENTILE ALLOWABLE CHILDHOOD BLOOD LEAD LEVEL OF 10 MG/DL. SINCE LEAD SHEET CALCULATED IT TO BE 8.2 MG/DL

COUNTY OF ORANGE
PUBLIC HEALTH SERVICES
HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH

OCHCA CASE # 13 IE006

RO # 3595

CASE ACTIVITY LOG

COMPANY NAME/DBA: OC Shooting & Training Center
ADDRESS: 11159 Jeffrey Road
CITY: Irvine STATE: CA ZIP CODE: 92602
CONTACT: Peter Changala Office Phone: (949) 720-2292 Fax:
ATC/Kelly A/Jonb. Cell Phone: (661) 395-1646 E-mail:

DATE	STAFF	ACTIVITIES
3/5/2013	L. Lodriguez	Opened case file. reviewed work plan for site investigation. Prepared RAN Notification; RAS letter. Reviewed WP for site investigation.
3/25/13	Lodriguez	Revisited WP for SI; emailed ATC, along with request for detailed map.
2/4/14	S. SPEER	E-MAIL FROM LUIS LODRIGUEZ HE SENT AN E-MAIL TO PETER CHANGALA AND JONATHAN BUCK, ADVISING THEM THAT I AM THE NEW CASE MANAGER. RECEIVED ANOTHER E-MAIL FROM LUIS LODRIGUEZ. ATTACHED WERE (6) E-MAILS. (1) RAS FORM, (1) RAA (SB1248) FORM, (1) RAS LETTER, AND (1) CLOSURE DOCUMENT AND (1) FINAL WORK PLAN. THE CLOSURE DOCUMENT IS FROM 2003 AND SIGNED BY KAREN NODEL ON BEHALF OF CASE 96IC13.
2/20/14	S. SPEER	BEGAN REVIEWING FILE. REVIEWED CLOSURE LETTER FOR CASE 96IC013. THE PREVIOUS CASE WAS ALSO FOR LEAD CONTAMINATION. THE HIGHEST CONCENTRATION THAT WAS LEFT IN THE SOIL AT 7 FT BGS WAS 4.3 mg/kg. AT THE TIME OF CASE CLOSURE PRG WAS 750 mg/kg. COMMERCIAL/INDUSTRIAL RSL IS 800 mg/kg. KEARNEY SOIL FOUNDATION BACKGROUND CONCENTRATION FOR LEAD IS 97.1 mg/kg. THIS INITIAL CLOSURE DISCUSSED THE FACT THAT ADDITIONAL AREAS WERE NOT INCLUDED IN THE 2003 CLOSURE. IT APPEARS THAT 3/4 OF THE ORIGINAL 1996 EXCAVATION WAS LOST DURING CONSTRUCTION OF SR 241/261 - THE EASTERN TRANSPORTATION CORRIDOR (ETC) AND USED AS "DEEP CANYON FILL".

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

MARK REFOWITZ
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

HAZARDOUS MATERIALS MANAGEMENT SECTION

Remedial Action Agreement Notification (Revised)

Orange County Health Care Agency, Environmental Health proposes to enter into a Remedial Action Agreement with the Responsible Party listed below. Pursuant to Section 101487, Article 5, Chapter 4, Part 3, Division 101 of the Health & Safety Code, the following information is provided as notification to your Agency.

A. Site Name ORANGE COUNTY SHOOTING & TRAINING CENTER
Site Address 11159 Jeffrey Road, Irvine, CA 92602

B. Responsible Party The Irvine Company
Mailing Address 11501 Jeffrey Road, Irvine, CA 92602
Contact Person Peter Changala Telephone (949) 720-2292 Fax _____

C. Site Owner The Irvine Company
Mailing Address 550 Newport Center Drive, Newport Beach, CA 92660
Telephone _____ Fax _____

D. Any known or planned Local, State or Federal regulatory involvement? ☑ Yes ☐ No
Site Investigation/Remedial action oversight

E. Notification Date March 6, 2013

If you have questions, please contact Luis Lodrigueza at (714) 433-6253 (*Phone*), (714) 754-1768 (*Fax*)
LLodrigueza@ochca.com

Department of Toxic Substances Control ☑
Attn: Robert Senga (e-copy)
RSenga@dtsc.ca.gov cc:
Violeta.Mislang@dtsc.ca.gov
Southern California Cleanup Operations
5796 Corporate Avenue
Cypress, CA 90630
Phone: (714) 484-5432 Fax: (714) 484-5438

California Regional Water Quality Control Board
Santa Ana Region ☑
Attn: Ann Sturdivant, Chief (e-copy)
ASturdivant@waterboards.ca.gov
SLIC/DOD/AGT Section
3737 Main Street, Suite 500 Phone: (951) 782-4130
Riverside, CA 92501-3339 Fax: (951) 781-6288

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

Excellence
Integrity
Service

MARK REFOWITZ
DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 E. DYER ROAD, STE 120
SANTA ANA, CA 92705-5611

TELEPHONE (714) 433-6000
FAX (714) 754-1732
E-MAIL: ehealth@ochca.com

OCHCA Case # 13IC006
RO 3595

Chem. of Concern - Lead (Pb)

HAZARDOUS MATERIALS MITIGATION SECTION

REQUEST FOR REMEDIAL ACTION SUPERVISION

A. Site Name Orange County Shooting and Training Center

Site Address 11159 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Site Owner The Irvine Company Telephone (949) 720-2000

Site Owner's
Mailing Address 550 Newport Center Drive, Newport Beach, CA 92660
Street Suite City Zip Code

B. Person or Entity Responsible for Cleanup The Irvine Company

Mailing Address 11501 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Contact Person Mr. Peter Changala Telephone (949) 720-2292

C. Application Submitted by:

Name of Company or Person: Advanced Environmental Concepts, Inc.

Mailing Address: 220 East Truxtun Avenue, Bakersfield, CA 93305
Street Suite City Zip Code

Contact Person: Mr. Jonathan Buck Telephone (661) 395-1646

I have read the remedial action agreement conditions listed on page 2 of this application. As provided in Section 101480(b), Article 5, Chapter 4, Division 101 of the California Health and Safety Code, I request that Orange County Health Care Agency, Environmental Health provide remedial action supervision at the site named in Section A above. Where not the responsible party, I have been authorized to act on behalf of the responsible party. I understand that charges payable by the responsible party or the authorized representative will be incurred for the time spent by Orange County Health Care Agency's staff for cleanup oversight activities.

Mr. Peter Changala
Name of Responsible Party/Authorized Representative (Please Print)

Signature of Responsible Party/Authorized Representative

3/6/13
Date

Send billing invoices to: Name: Mr. Peter Changala, The Irvine Company

Address: 11501 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Site Information :

- Is this site any of the following: listed on the Department of Toxic Substances Control's (DTSC) Calsites list; the subject of a cleanup order or enforceable agreement issued by DTSC; the subject of a remedial action initiated by DTSC; the subject of a corrective action order issued by DTSC; or a facility subject to DTSC hazardous waste treatment facility tiered permitting requirements? yes ☐ no ☒ unknown ☐
- Is this site listed on a Regional Water Quality Control Board's (RWQCB) Leaking Underground Storage Tank Information System (LUSTIS) or Spills, Leaks, Investigation and Cleanup (SLIC) list or the subject of a cleanup and abatement order issued by a RWQCB? yes ☐ no ☒ unknown ☐
- What is the property's current land use zoning designation? Open Space

Agreement Conditions:

- The issuance of a remedial action certification of completion is dependent on adequate completion of acceptable site assessment and remedial activities and attainment of cleanup goals established by Orange County Health Care Agency, Environmental Health (OCHCA) or the appropriate RWQCB.
- Site testing, monitoring and analysis will be required, as necessary, to properly determine the nature and extent of the release. A site assessment plan that shows proposed soil and water sampling and analyses should be submitted to OCHCA for concurrence before implementation. Any remedial action plan should be approved by OCHCA before implementation and work performed must be shown to have been effective in mitigating the actual or potential adverse effects of the release. **OCHCA must be notified at least 48 hours in advance of any site verification of mitigation sampling activity.** Where a remedial action has not been effective, implementation of an alternate effective remedial action is expected.
- Remedial goals will be based on risk assessment considerations that reflect site-specific characteristics and the property's current land use zoning designation. If a land use change is planned or foreseen, OCHCA should be advised.
- OCHCA may, after giving adequate notice, withdraw in whole or part from the supervision of the remedial action should it determine: the responsible party is not in compliance with the remedial action agreement; available staff resources, technical expertise or technical capabilities are not available to adequately supervise the remedial action; the release of the waste that is the subject of the remedial action is of a sufficiently complex nature or may present such a significant potential hazard to human health or the environment that it should be referred to DTSC or a RWQCB; requested site assessment or remedial action plans have not been received in a timely manner; or implementation of approved plans has not occurred in a timely manner.
- Should OCHCA withdraw from the case, in whole or part, OCHCA may refer the case to DTSC or the RWQCB.
- OCHCA may discuss this case with staff at DTSC or the RWQCB at any time in the review process.
- An hourly service fee at Environmental Health's current rate established per resolution of the Orange County Board of Supervisors for work performed by direct oversight staff will be charged. Billings are sent out quarterly and are due within 30 days of receipt of the invoice. A late payment fee of 25% is applicable.
- OCHCA reserves the right to send copies of all correspondence to the property owner and others as appropriate.
- The contact person named in Section C, page 1 will be the point of contact for the responsible party unless OCHCA is otherwise advised.
- Pursuant to California law, all information in the site's cleanup file may be public record subject to disclosure to any member of the public who requests it. If it is necessary to include confidential information in your communications with the County, the County recommends that you clearly and prominently mark the information you believe falls into this category. The County will attempt to notify you if disclosure of such information is requested, in order to give you an opportunity to seek a court order prohibiting disclosure of such information. Due to the short statutory time period for the County's compliance with requests for public records, the County will be able to give you only a short period of time in which to seek a court order before the County will be required to disclose the requested information. Further, it is your responsibility to assert that information you believe is confidential should not be disclosed; the County will not make such a claim for you, but will obey a valid court order obtained by you prohibiting disclosure of such information.

CLAYTON CHAU, MD PhD
DIRECTOR/COUNTY HEALTH OFFICER

JENNA SARIN, MSN, RN, PHN
INTERIM ASSISTANT AGENCY DIRECTOR

MARGARET BREDEHOFT, DrPH
DEPUTY AGENCY DIRECTOR

CHRISTINE LANE, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705
TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

ochealth CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION

HAZARDOUS MATERIALS MITIGATION SECTION - REQUEST FOR REMEDIAL ACTION SUPERVISION

A. Site Name Orange County Shooting and Training Center and Area Q

Site Address 11159 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Site Owner The Irvine Company Email PChangala@irvinecompany.com Telephone (949) 720-2292

Site Owner's
Mailing Address 550 Newport Center Drive, Newport Beach, CA 92660
Street Suite City Zip Code

Mr. Peter Changala, The Irvine Company
Name of Property Owner/Authorized Representative (Please Print)

Signature of Property Owner/Authorized Representative 11/12/21
Date

B. Person or Entity Responsible for Cleanup The Irvine Company

Mailing Address 11501 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Contact Person Mr. Peter Changala Telephone (949) 720-2292

Signature Email PChangala@irvinecompany.com Telephone (949) 720-2292

C. Application Submitted by: Advanced Environmental Concepts, Inc.

Name of Company or Person: Mr. Jonathan Buck

Mailing Address 220 East Truxtun Avenue, Bakersfield, CA 93305
Street Suite City Zip Code

Signature Email Jon@advanced-ec.com Telephone (661) 395-1646

I have read the remedial action agreement conditions listed on page 2 of this application. As provided in Section 101480(b), Article 5, Chapter 4, Division 101 of the California Health and Safety Code, I request that Orange County Health Care Agency, Environmental Health provide remedial action supervision at the site named in Section A above. Where not the responsible party, I have been authorized to act on behalf of the responsible party. I understand that charges payable by the responsible party or the authorized representative will be incurred for the time spent by Orange County Health Care Agency's staff for cleanup oversight activities.

Mr. Peter Changala, The Irvine Company
Name of Responsible Party/Authorized Representative (Please Print)

Signature of Responsible Party/Authorized Representative 11/12/21
Date

Send billing invoices to: Name Mr. Peter Changala, The Irvine Company

Address 11501 Jeffrey Road, Irvine, CA 92602
Street Suite City Zip Code

Signature Email PChangala@irvinecompany.com Telephone (949) 720-2292

Site Information:

- Is this site any of the following: listed on the Department of Toxic Substances Control's (DTSC) Calsites list; the subject of a cleanup order or enforceable agreement issued by DTSC; the subject of a remedial action initiated by DTSC; the subject of a corrective action order issued by DTSC; or a facility subject to DTSC hazardous waste treatment facility tiered permitting requirements? yes ☐ no ☒ unknown ☐
- Is this site listed on a Regional Water Quality Control Board's (RWQCB) Leaking Underground Storage Tank Information System (LUSTIS) or Spills, Leaks, Investigation and Cleanup (SLIC) list or the subject of a cleanup and abatement order issued by a RWQCB? yes ☐ no ☒ unknown ☐
- What is the property's current land use zoning designation? Open Space

Agreement Conditions:

- Completion of site activities is dependent on adequate site assessment and remedial activities and attainment of cleanup goals established by Orange County Health Care Agency, Environmental Health (OCHCA) or the appropriate RWQCB. The No Further Action Certification letter will be issued upon documentation of proper removal or abandonment of improvements related to cleanup/assessment activities.
- Site testing, monitoring and analysis will be required, as necessary, to properly determine the nature and extent of the release. A site assessment plan that shows proposed soil and water sampling and analyses should be submitted to OCHCA for concurrence before implementation. Any remedial action plan should be approved by OCHCA before implementation and work performed must be shown to have been effective in mitigating the actual or potential adverse effects of the release. **OCHCA must be notified at least 48 hours in advance of any site mitigation or sampling activities.** Where a remedial action has not been effective, implementation of an alternate effective remedial action is expected.
- Remedial goals will be based on risk assessment considerations that reflect site-specific characteristics and the property's current land use zoning designation. If a land use change is planned or foreseen, OCHCA should be advised.
- OCHCA may, after giving adequate notice, withdraw in whole or part from the supervision of the remedial action should it determine: the responsible party is not in compliance with the remedial action agreement; available staff resources, technical expertise or technical capabilities are not available to adequately supervise the remedial action; the release of the waste that is the subject of the remedial action is of a sufficiently complex nature or may present such a significant potential hazard to human health or the environment that it should be referred to DTSC or a RWQCB; requested site assessment or remedial action plans have not been received in a timely manner; or implementation of approved plans has not occurred in a timely manner.
- Should OCHCA withdraw from the case, in whole or part, OCHCA may refer the case to DTSC or the RWQCB.
- OCHCA may discuss this case with staff at DTSC or the RWQCB at any time in the review process.
- An hourly service fee at Environmental Health's current rate established per resolution of the Orange County Board of Supervisors for work performed by direct oversight staff will be charged. Billings are sent out quarterly and are due within 30 days of receipt of the invoice. A late payment fee of 25% is applicable. **Invoices will be directed to the party named in Section B, page 1 unless OCHCA is otherwise advised in writing.**
- OCHCA reserves the right to send copies of all correspondence to the property owner and others as appropriate.
- The contact person named in Section C, page 1 will be the point of contact for the responsible party unless OCHCA is otherwise advised.
- Pursuant to California law, all information in the site's cleanup file may be public record subject to disclosure to any member of the public who requests it. If it is necessary to include confidential information in your communications with the County, the County recommends that you clearly and prominently mark the information you believe falls into this category. The County will attempt to notify you if disclosure of such information is requested, in order to give you an opportunity to seek a court order prohibiting disclosure of such information. Due to the short statutory time period for the County's compliance with requests for public records, the County will be able to give you only a short period of time in which to seek a court order before the County will be required to disclose the requested information. Further, it is your responsibility to assert that information you believe is confidential should not be disclosed; the County will not make such a claim for you, but will obey a valid court order obtained by you prohibiting disclosure of such information.

[redacted]

Orange County Health Care Agency
Environmental Health Division
~~Underground Tank Removal~~ Form

24 Mi

FORMER OC SHOOTING AND TRAINING CENTER — 11159 JEFFREY RD IRVINE, CA 92602
Facility Name

PC# 0003595 — TI # _____ — LUST # 13JC006 — IR # _____

Inspector: SPEER 315 — Date: 2/18/14 — Time: 9:30 AM

241 TOLL ROAD
Cross Street — Site Telephone Number

IRVINE COMPANY — 11501 JEFFREY RD. IRVINE, CA 926[illegible]
Owner — Address

PETER CHANGALA — (949) 720-2292
Contact Person — Telephone Number

IRVINE VALLEY GROWERS, CAL SAND BAGS, INC.
Operator *(if different than owner)* — Telephone Number

ADVANCED ENVIRON CONCEPTS — PETER ANDERSON — (949) 371-3690
Consultant or Contractor Company — Contact Person — Telephone Number

Tank #1: _____ Size _____ Const. Mat. _____ Mat. Stored

Tank #2: _____ Size _____ Const. Mat. _____ Mat. Stored

Tank #3: _____ Size _____ Const. Mat. _____ Mat. Stored

Tank #4: _____ Size _____ Const. Mat. _____ Mat. Stored

Tank #5: _____ Size _____ Const. Mat. _____ Mat. Stored

Tank #6: _____ Size _____ Const. Mat. _____ Mat. Stored

Depth to Groundwater: ~ 4' BGS — Fate of Piping: NA

Proposition 65 Required? NO — Prop. 65 Form Submitted on: NA

Fire Dept. Personnel On-site: NONE

Ambient Air Readings on Field Instrument: NA

Other Information: THIS ROUND OF SAMPLING CONTINUES WHERE IT LEFT OFF YESTERDAY. AREA 5 OF THE IVG LOCATION WAS MARKED FOR STEP-OUT BORINGS IN EACH DIRECTION, USING 50-FT CENTERS. THE AREA OF THE POLICE FAST-REACTION RANGE IS NOW THE GRAVEL PARKING LOT OF THE IVG EQUIPMENT YARD. A FLOOD CONTROL FEATURE IS PROMINENT ON THE LOWER HALF OF THE PROPERTY AND KEEPS THE DRAINAGE FROM DESTROYING JEFFREY ROAD.

FIELD ACTIVITY DESCRIPTION

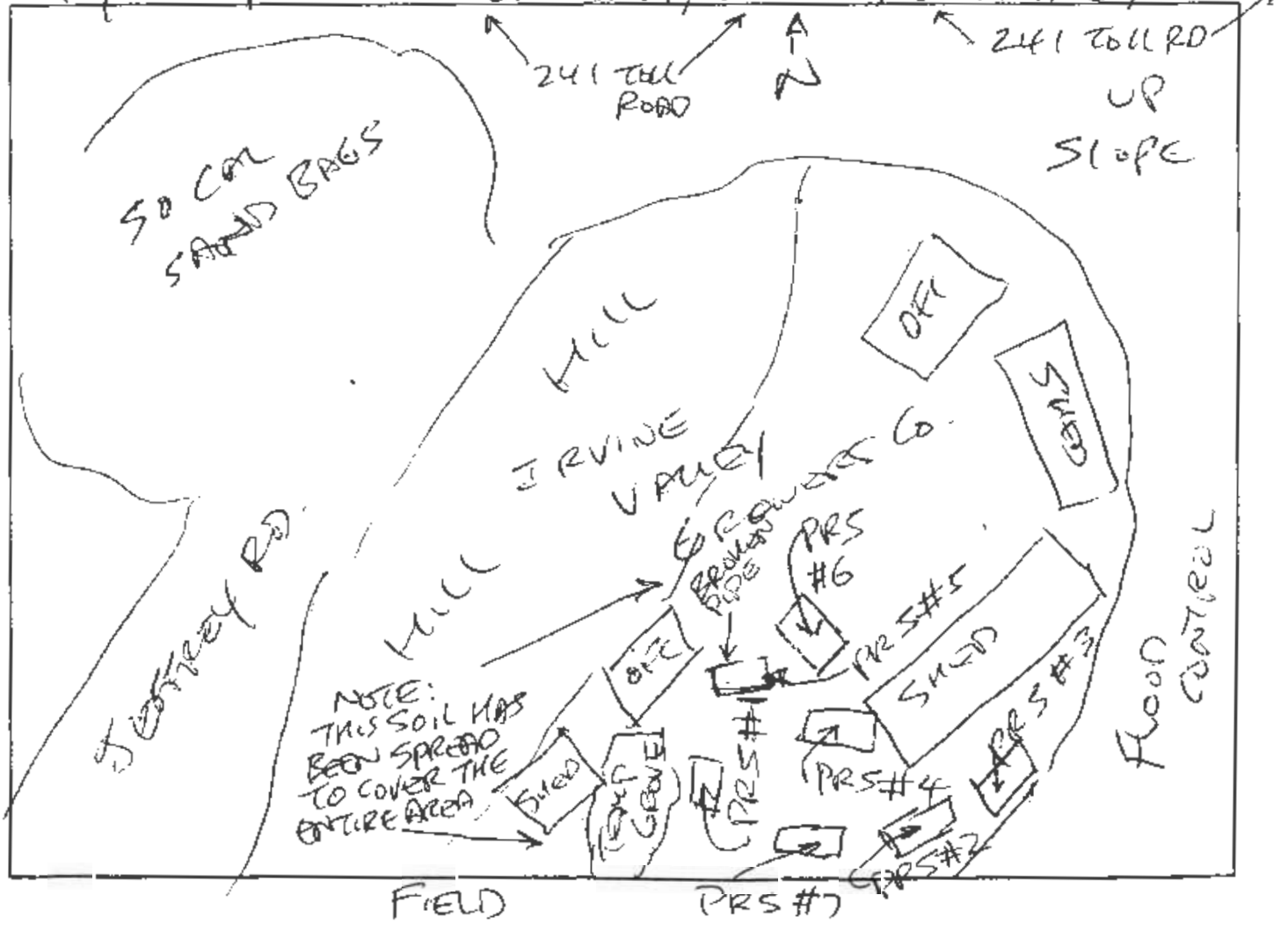
FORMER OC SHOOTING AND TRAINING CENTER 11159 JEFFREY RD IRVINE, CA 92602

Facility Name

RP# 00005595 TI # _____ UST# 13IR006 IR # _____

Inspector: SPEER 315 Date: 7/18/14 Time: 9:30 AM

Field Activity: ON-SITE TOPNASH SOIL SAMPLING FROM 7/17/14. AT THE TIME OF MY ARRIVAL THE BACKHOE WAS COMPLETING THE PR-5-5 EXCAVATION. A LARGE VOLUME OF WATER WAS FILLING THIS PIT, QUICKLY. THE ON-SITE FACILITIES TECH DETERMINED THAT IT WAS NOT A GREY-WATER LEECH FIELD, BECAUSE IT BEGAN TO SUBSIDE WHEN THE CITY WATER WAS TURNED OFF. THE SOIL IN THE EXCAVATIONS SHOWED EVIDENCE OF BEING HOMOGENEOUS FROM A PISTOL RANGE SOURCE. THIS WAS DETERMINED BY THE PRESENCE OF SHOT, BULLETS, WADDING, ETC.



CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) -33-6000 / FAX: (714) 754-1768

1. **ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.**

2. **PLEASE WRITE LEGIBLY.**

3. **ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.**

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: _____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

#2

F272-9.1531.1(R8/89)

WHITE-RETURN THIS COPY TO ENVIRONMENTAL HEALTH, CANARY-LABORATORY COPY
PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

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DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: _____

_____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

_____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

#2

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F272-9.1531.1(R6/89) CRS

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 433-6000 / FAX: (714) 754-1768

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SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: _____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

#2

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

Orange County Health Care Agency
Environmental Health Division
Underground Tank Removal Form

[redacted] mi 24 mi.

FORMER OC SHOOTING & TRAINING CENTER 11159 JEFFREY RD
Facility Name AREA "Q" TOP OF JEFFREY RD, IRVINE, CA 92602
PC# 0003595 TI # _____ ~~LUST~~ FC # 13JC006 IR # _____

Inspector: SPEER 315 Date: 7/17/14 Time: 12:30PM

241 TOLL ROAD
Cross Street Site Telephone Number

IRVINE COMPANY 11501 JEFFREY RD IRVINE, CA 92602
Owner Address

PEER CHANGACA (949) 720-2242
Contact Person Telephone Number

IRVINE GROWERS COMPANY AND SO CAL SANDBAGS, INC
Operator *(if different than owner)* Telephone Number

ADVANCED ENVIRONMENTAL PETER ANDERSON (949) 371-3690
Consultant or Contractor Company Contact Person Telephone Number

	Size	Const. Mat.	Mat. Stored		Size	Const. Mat.	Mat. Stored
Tank #1:				Tank #4:			
Tank #2:				Tank #5:			
Tank #3:				Tank #6:			

Depth to Groundwater: 80 FT. BGS Fate of Piping: NA

Proposition 65 Required? NA Prop. 65 Form Submitted on: NA

Fire Dept. Personnel On-site: NONE

Ambient Air Readings on Field Instrument: NA

Other Information: ON - SITE FOR SOIL SAMPLING IN THE AREA OF THE FORMER OC SHOOTING AND TRAINING CENTER. THIS SITE HAS BEEN SAMPLED FOR TOTAL LEAD IN SOIL ON SEVERAL OCCASIONS. THIS SAMPLING EVENT WAS MEANT TO FILL THE DATA GAPS IN THE PREVIOUS SAMPLING ROUNDS. THE AREAS OF CONCERN ARE LARGELY VERTICAL SURFACES, WHICH ARE THE FINAL RESTING PLACES OF THE DISCHARGED PROJECTILES. THE SURFACE SOIL HAS BEEN SLIGHTLY COMPACTED BUT NOT GRADED.

FIELD ACTIVITY DESCRIPTION

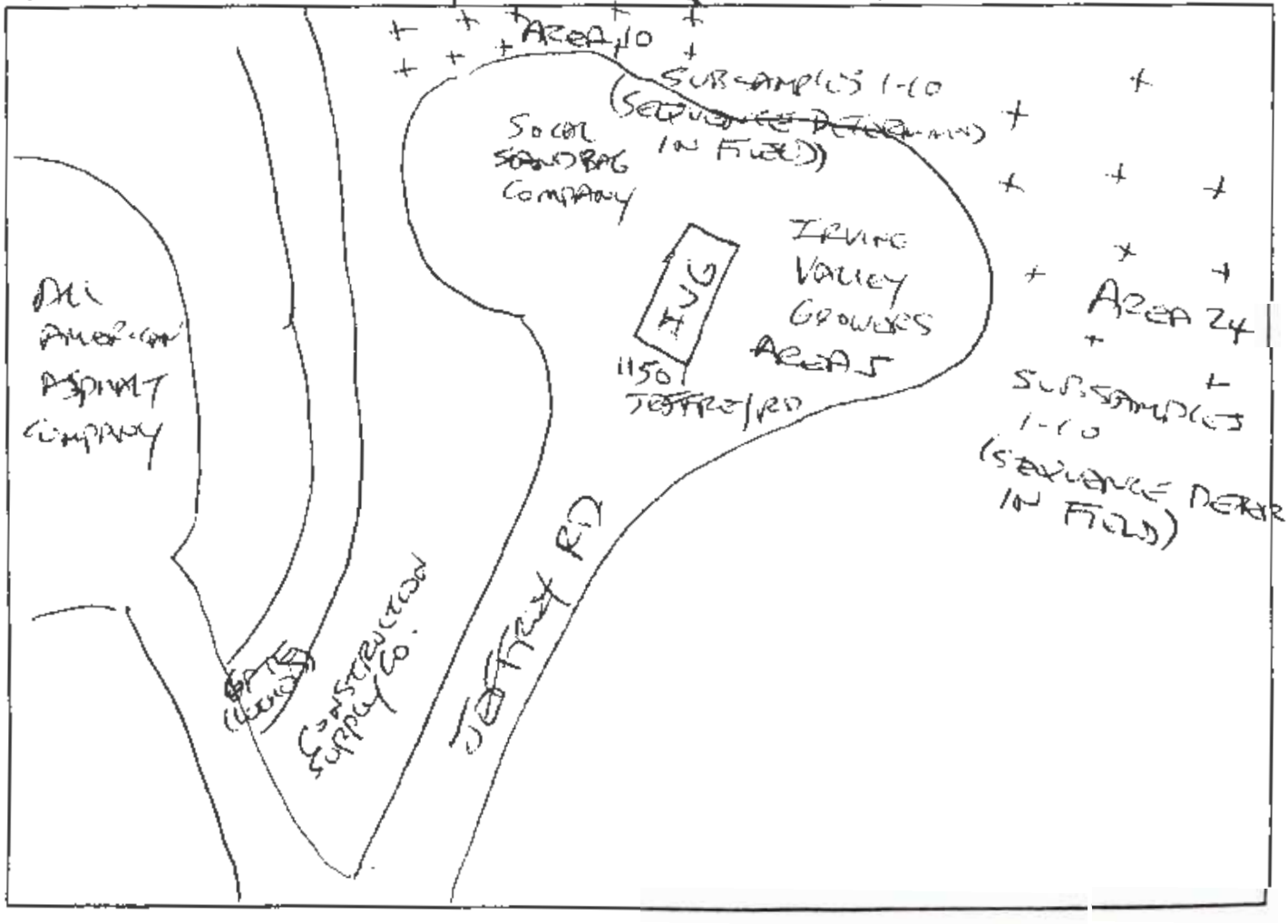
FORMER OC SHOOTING AND TRAINING CENTER 11150 JEFFREY RD. IRVINE, CA 92606

Facility Name

PO# Ref#0003595 TI# 13IC006 ~~LUST~~ # _____ IR # _____

Inspector: Spaar 315 Date: 7/17/14 Time: 12 noon

Field Activity: ON-SITE TO WITNESS SOIL BORINGS ON THE HILLSIDE AREAS WHERE THE CONCENTRATION OF LEAD IN THE SOIL EXCEEDED CHHSLs AND FOLLOW-UP SAMPLING WAS NEEDED TO CONFIRM THAT THE ELEVATED CONCENTRATIONS OF LEAD WERE CONFINED TO THE SMALL AREAL EXTENT. THE AREAS OF PISTOL RANGE SAMPLE NUMBER 24 AND RIFLE RANGE SAMPLE NUMBER 10 ARE UNGRADED AND UNSORTED SOIL. NUMBER 24 HAS SOME SLIGHT COMPACTION TO PREVENT LAND EROSION. SHALLOW SOIL SAMPLES (0.5 FT) WERE TAKEN TODAY. THE DEEPER SAMPLES WILL BE TOMORROW.



CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 33-6000 / FAX: (714) 754-1768

1. ALL SAMPLES ARE TO BE HANDLED AS COURT EVIDENCE, AND ARE TO BE PROPERLY STORED IN A SECURE LOCATION.

2. PLEASE WRITE LEGIBLY.

3. ATTACH THIS FORM TO THE ORIGINAL REPORT OF THE ANALYTICAL RESULTS AND RETURN THEM TO THIS OFFICE. LABORATORY RESULTS RECEIVED WITHOUT PROPER CHAIN OF CUSTODY DOCUMENTATION WILL NOT BE ACCEPTED.

4. **TO BE COMPLETED BY LABORATORY ANALYST**

LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS: _____

_____

DATE OF COLLECTION: _____

SAMPLE COLLECTOR/COMPANY: _____

_____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

#2

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
Telephone: (714) 33-6000 / FAX: (714) 754-1768

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LAB NO.: _____

DATE RECEIVED: _____

SAMPLE(S) CONDITION (PLEASE CHECK):

CHILLED: _____ **COUNTY SEAL(S) INTACT:** _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. **TO BE COMPLETED BY SAMPLE COLLECTOR**

SITE NAME/ADDRESS:

DATE OF COLLECTION:

SAMPLE COLLECTOR/COMPANY:

TELEPHONE NO.:

HCA REPRESENTATIVE:

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. **CHAIN OF CUSTODY**

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
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3.			-
4.			-
5.			-
6.			-

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F272-9.1531 1(R6/89)

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CHAIN OF CUSTODY

County of Orange Health Care Agency
Environmental Health Division
1241 E. Dyer Rd., Ste. 120, Santa Ana, CA 92705
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CHILLED: _____ COUNTY SEAL(S) INTACT: _____

CONTAINER IN GOOD CONDITION: _____

DATE ANALYSIS COMPLETED: _____

ANALYST: _____

5. TO BE COMPLETED BY SAMPLE COLLECTOR

SITE NAME/ADDRESS: _____

_____

DATE OF COLLECTION: 2/12/14

SAMPLE COLLECTOR/COMPANY: _____

_____

TELEPHONE NO.: _____

HCA REPRESENTATIVE: _____

6.

SAMPLE NUMBER	DETERMINATION REQUESTED	SAMPLE DESCRIPTION/COMMENTS	TIME OF COLLECTION

7. CHAIN OF CUSTODY

	SIGNATURE	COMPANY/AGENCY	INCLUSIVE DATES/TIMES
1.			-
2.			-
3.			-
4.			-
5.			-
6.			-

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PINK-CONTRACTOR/CONSULTANT COPY, GOLDENROD-OFFICE COPY

F272-9-1531.1(R8/89) ORS

Speer, Steve

From: Speer, Steve
Sent: Tuesday, July 15, 2014 1:34 PM
To: 'Peter Anderson | Advanced Environmental Concepts, Inc. '
Subject: RE: OCSTC Sampling

O.K. I have you scheduled.

From: Peter Anderson | Advanced Environmental Concepts, Inc. [mailto:peter@advanced-ec.com]
Sent: Tuesday, July 15, 2014 11:12 AM
To: Speer, Steve
Subject: Re: OCSTC Sampling

Steve- we are still on for sampling of the former OCSTC this coming Thursday and Friday. I will touch base with you tomorrow regarding timing.

Thanks.

Peter Anderson
Advanced Environmental Concepts, Inc.

1000 North Coast Highway; Suite 10
Laguna Beach, CA 92651
(949) 371-3690 Mobile
(661) 395-1646 Office
(661) 395-1616 Fax

Bakersfield office:
220 E. Truxtun Avenue
Bakersfield, California 93305

Privileged and Confidential Communication:The information contained in this e-mail message is confidential and/or privileged material that is solely transmitted for the purposes of the intended recipient(s). If you are not an intended recipient, or if this message has been inadvertently directed to your attention, you are hereby notified that you have received this message and any attached document(s) in error and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this message in error, please notify us immediately by return e-mail and delete and destroy all copies of the original message.

On Jul 9, 2014, at 2:15 PM, "Speer, Steve" <stspeer@ochca.com> wrote:

> Hi Peter,
>
> Yes, I am available on Thursday 7/17/14 and Friday 7/18/14.
>
> Regards,

Steve Speer

From: Peter Anderson [mailto:peter@advanced-ec.com]
Sent: Tuesday, July 08, 2014 10:26 AM
To: Speer, Steve; Jon Buck; Peter Changala
Cc: April Saceaux
Subject: OCSTC Sampling

Steve- We would like to move ahead with the additional lead sampling to be performed at the OCSTC. We are currently tentatively scheduled to be out there July 17-18 and need to confirm your availability to review sampling. Please confirm that you will be available on those dates.

Thanks

--
Peter Anderson PG CEG QSP
Senior Geologist
Advanced Environmental Concepts, Inc.
peter@advanced-ec.com
Direct: 949-371-3690
Office: 661-395-1646
advanced-ec.com

Speer, Steve

From: Speer, Steve
Sent: Wednesday, July 09, 2014 2:15 PM
To: 'Peter Anderson'
Subject: RE: OCSTC Sampling

Hi Peter,

Yes, I am available on Thursday 7/17/14 and Friday 7/18/14.

Regards,

Steve Speer

From: Peter Anderson [mailto:peter@advanced-ec.com]
Sent: Tuesday, July 08, 2014 10:26 AM
To: Speer, Steve; Jon Buck; Peter Changala
Cc: April Saceaux
Subject: OCSTC Sampling

Steve- We would like to move ahead with the additional lead sampling to be performed at the OCSTC. We are currently tentatively scheduled to be out there July 17-18 and need to confirm your availability to review sampling. Please confirm that you will be available on those dates.

Thanks

--
Peter Anderson PG CEG QSP
Senior Geologist
Advanced Environmental Concepts, Inc.
peter@advanced-ec.com
Direct: 949-371-3690
Office: 661-395-1646
advanced-ec.com

Speer, Steve

From: Speer, Steve
Sent: Thursday, June 19, 2014 5:34 PM
To: 'peter@advanced-ec.com'
Cc: Saremi, Kamron@Waterboards (Kamron.Saremi@waterboards.ca.gov)
Subject: Conditional Approval for Soil Sampling at Former OC Shooting and Training Center
Attachments: Signed Work Plan Approval 061914.pdf

Hi Peter,

I discussed this case with the management. They believe that additional sample coverage is necessary, beyond just "step-out" sampling. The approval letter is worded so that the areas that are within the boundaries of contaminated samples are completely assessed.

Regards,

Steven A. Speer, P.H.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

MARK A. REFOWITZ
DIRECTOR

RICHARD SANCHEZ, MPH
ASSISTANT DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

DENISE FENNESSY, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

TELEPHONE (714) 433-6473
FAX: (714) 754-1732
E-MAIL: EHEALTH@ochca.com

Excellence
Integrity
Service

June 19, 2014

Peter Changala,
The Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: Soil Assessment Work Plan, dated May 2014

Re: Former Orange County Shooting and Training Center
11159 Jeffrey Road, Area "Q"
Irvine, CA 92602
OCHCA Case No. 13IC006

Dear Mr. Changala,

Please be advised that this Agency has reviewed the above subject Soil Assessment Work Plan. The Work Plan has been found to be acceptable for the continued confirmation assessment of the soil remediation activity, provided that the following conditions are met:

1. The work plan states that "step-out sampling" will take place in area RR-10 (Rifle Range). The soil sample collection must account for the area that is bounded by soil samples that have been found to have acceptable levels of lead. The area that is between soil samples RR-5, RR-10, and RR-11 must, therefore be sampled using a grid pattern. Approximately ten evenly spaced soil samples should provide adequate coverage of the area between RR-5, RR-10, and RR-11 using a 50-foot grid.

2. The areas surrounding soil samples PR-5 and PR-24 (Pistol Range) must also be sampled using a 50-foot grid pattern. These additional areas, therefore, require another 10 soil samples from each area, to provide adequate assessment coverage.

3. You must notify this Agency **at least 48 hours** in advance of the scheduled soil sampling work, so that a representative of this Agency may witness the soil sampling.

If you have any questions, please call the undersigned at (714) 433-6264.

Sincerely,

Steven A. Speer, Ph.D.

Steven A. Speer, Ph.D., REHS, REPA
Hazardous Waste Specialist
County of Orange
Environmental Health

Cc: Kamron Saremi, Santa Ana Regional Water Quality Control Board (electronic copy)
Peter Anderson, Advanced Environmental Concepts, Inc. (electronic copy)

Speer, Steve

From: Higgins, Geniece
Sent: Wednesday, June 18, 2014 3:00 PM
To: Speer, Steve
Subject: RE: Work Plan for Additional Soil Sampling on Irvine Company Property
Attachments: Soil Assessment Work PLan 061314.docx

Sorry for the delay in getting this back to you.

From: Speer, Steve
Sent: Monday, June 16, 2014 5:05 PM
To: Higgins, Geniece
Subject: Work Plan for Additional Soil Sampling on Irvine Company Property

Hi Geniece,

I need to send out this acknowledgement of his work plan. He needs to follow a grid pattern for these areas, not just "step-out sampling". I have discussed this issue with Peter Anderson. He needs to see it in writing.

Regards,

Steven A. Speer, P.H.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

Speer, Steve

From: Peter Anderson <peter@advanced-ec.com>
Sent: Monday, June 16, 2014 8:01 AM
To: Speer, Steve
Cc: Jon Buck
Subject: OCSTC

Steve- I got your message regarding the OCSTC step out sampling work plan. I will be in touch with you later this week to try to coordinate a time to schedule this work. Please let me know if you have any questions.

--
Peter Anderson PG CEG QSP
Senior Geologist
Advanced Environmental Concepts, Inc.
peter@advanced-ec.com
Direct: 949-371-3690
Office: 661-395-1646
advanced-ec.com

ADVANCED ENVIRONMENTAL CONCEPTS INC

RECEIVED HCA
JUN [illegible] 2014
ENVIRONMENTAL HLTH

June 4, 2014

Mr. Steven Speer
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
Area Q" · Jeffrey Road
County of Orange · California

Dear Mr. Speer:

Please find enclosed one (1) copy of the summary report prepared by Advanced Environmental Concepts, Inc.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

220 E. TRUXTUN AVENUE BAKERSFIELD, CA 93305 661/395-1646 FAX 661/395-1616

Speer, Steve

From: April Saceaux <april@advanced-ec.com>
Sent: Wednesday, June 04, 2014 12:22 PM
To: Speer, Steve
Subject: Re: Orange County Shooting and Training Center

Yes, of course. I will make sure you get one if it hasn't gone out already.

April Saceaux
Advanced Environmental Concepts, Inc.
220 East Truxtun Avenue
Bakersfield, CA 93305
(661) 395-1646
(661) 395-1616 Fax
Visit our website at **www.advanced-ec.com**

On Wed, Jun 4, 2014 at 12:14 PM, Speer, Steve <stspeer@ochca.com> wrote:

Hi April,

Thanks for the electronic copy. Are you sending me a hard copy?

Thanks,

Steve Speer

From: April Saceaux [mailto:april@advanced-ec.com]
Sent: Friday, May 30, 2014 9:24 AM
To: Speer, Steve
Cc: Peter Anderson
Subject: Orange County Shooting and Training Center

Good morning;

Please see the attached Work Plan for the site referenced above. If you have any questions or comments, please feel free to contact our office.

Thank you,

April Saceaux
Advanced Environmental Concepts, Inc.
220 East Truxtun Avenue
Bakersfield, CA 93305
(661) 395-1646
(661) 395-1616 Fax

Visit our website at **www.advanced-ec.com**

Speer, Steve

From: Peter Anderson <peter@advanced-ec.com>
Sent: Thursday, May 08, 2014 1:40 PM
To: Speer, Steve
Cc: Jon Buck
Subject: Re: Figure that shows the site in relation to ranges.

Steve- my recollection is that we did not recover lead shot (or bullets) in the area identified as the "Pistol Range" in our report. We did however identify bullet type projectiles in the former "Rifle Range". Clay skeet fragments were additionally identified along the east side of the area identified as the "Pistol Range". With that said we did identify elevated lead concentrations in the both the "rifle range" and "pistol range", irrelevant of which type of firearm was used in each.

As I previously stated we are moving forward with a Health Risk Assessment by Dr. Heriberto Robles for the sampling areas in order to address both the Human and Ecological risks for the area. As you know the area is intended to be open space, therefore, the primary risk is an ecological one and this HSA will specifically address that. This HSA will be based on the identified total lead concentrations from the prior sampling event.

Please let us know if you have any comment or concerns so we can incorporate them into our planned HSA for the site

Peter

On Thu, May 8, 2014 at 1:10 PM, Speer, Steve <stspeer@ochca.com> wrote:

Hi Peter,

As I look at the figure I see that the "Pistol Range" is where I recall the "Trap Range" used to be. The Rifle and Pistol Range were actually part of the same range. It doesn't make sense that they would have a pistol range shooting directly at the road. Trap shooting, on the other hand, is low-velocity shot-gun pellets that are shot up into the air at a clay target. The trap shot, therefore, only goes a short distance. Do you recall what were the size of the lead pellets that were recovered on the "Pistol Range"?

Regards

Steven A. Spoor, P.H.D. REA, REHS

HAZARDOUS WASTE SPECIALIST

ENVIRONMENTAL HEALTH DIVISION

COUNTY OF ORANGE

(714) 433-6264 (OFFICE)

(714) 754-1768 (FAX)

--

Peter Anderson PG CEG QSP
Senior Geologist
Advanced Environmental Concepts, Inc.
peter@advanced-ec.com
Direct: 949-371-3690
Office: 661-395-1646
advanced-ec.com

Speer, Steve

From: Peter Anderson <peter@advanced-ec.com>
Sent: Thursday, May 01, 2014 4:45 PM
To: Speer, Steve
Cc: Jon Buck
Subject: OCHCA
Attachments: DRAFT-OCSTC Summary Report 7.pdf; DRAFT-OCSTC Summary Report 8.pdf; DRAFT-OCSTC Summary Report 9.pdf; DRAFT-OCSTC Summary Report 10.pdf; DRAFT-OCSTC Summary Report 11.pdf; DRAFT-OCSTC Summary Report 12.pdf; DRAFT-OCSTC Summary Report 13.pdf; DRAFT-OCSTC Summary Report 14.pdf; Regional location Map.pdf

Steven-

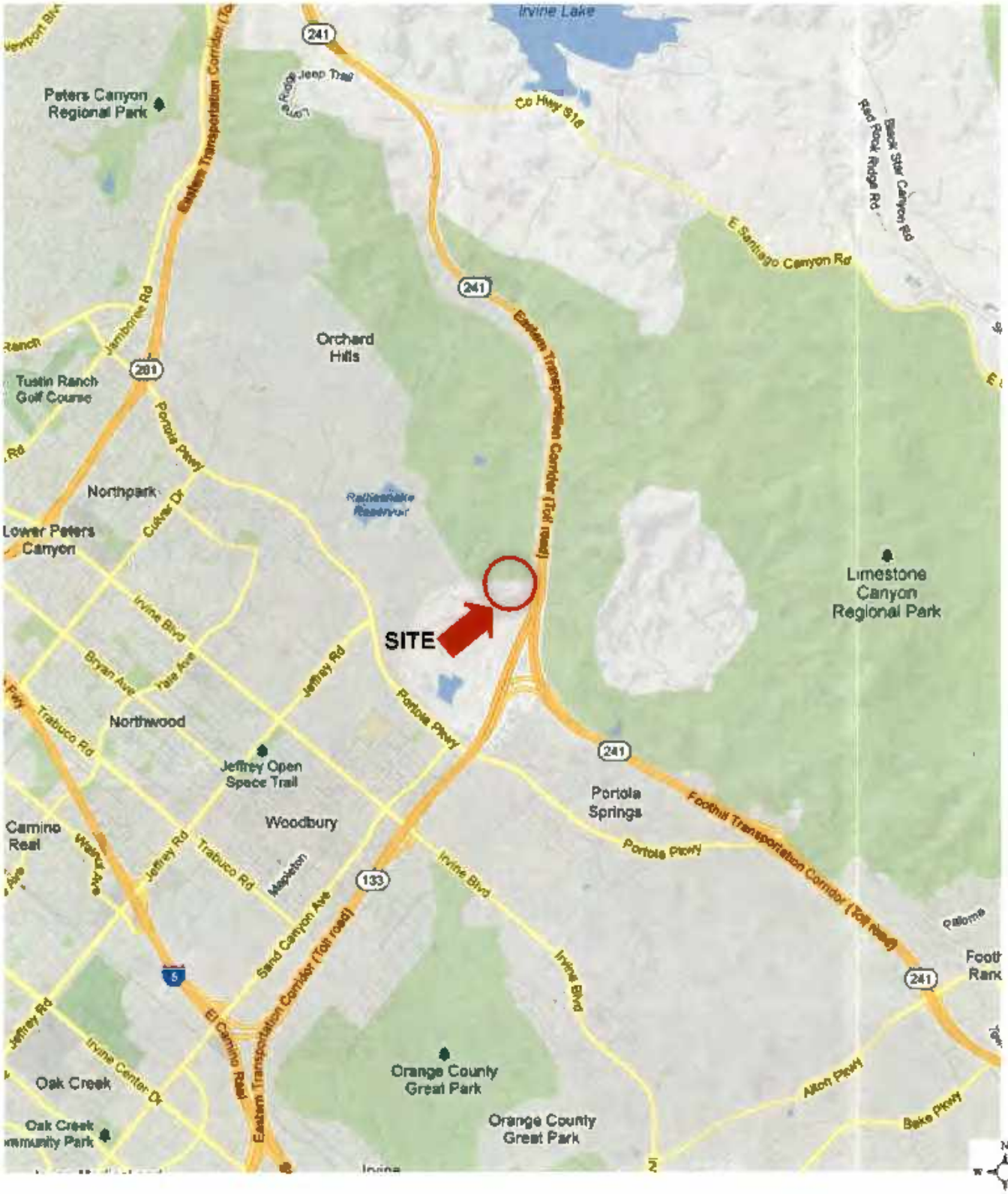
Per our conversation earlier today see the attached DRAFT figures showing sampling locations and results for the total lead sampling performed at the former OCSTC per AECs February 2013 Soil Assessment Work Plan. I also included a regional map showing the relative locations of the sampling locations with respect to each other at your request.

As we discussed we are currently in the process of initiating a Health Risk Assessment by Dr. Heriberto Robles for the sampling areas in order to address both the Human and Ecological risks for the area. As you know the area is intended to be open space, therefore, the primary risk is an ecological one and this HSA will specifically address that.

Please let me know if you have any additional questions.

--

Peter Anderson PG CEG QSP
Senior Geologist
Advanced Environmental Concepts, Inc.
peter@advanced-ec.com
Direct: 949-371-3690
Office: 661-395-1646
advanced-ec.com



AEC ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Site Location Map

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

1



ENVIRONMENTAL CONCEPTS INC

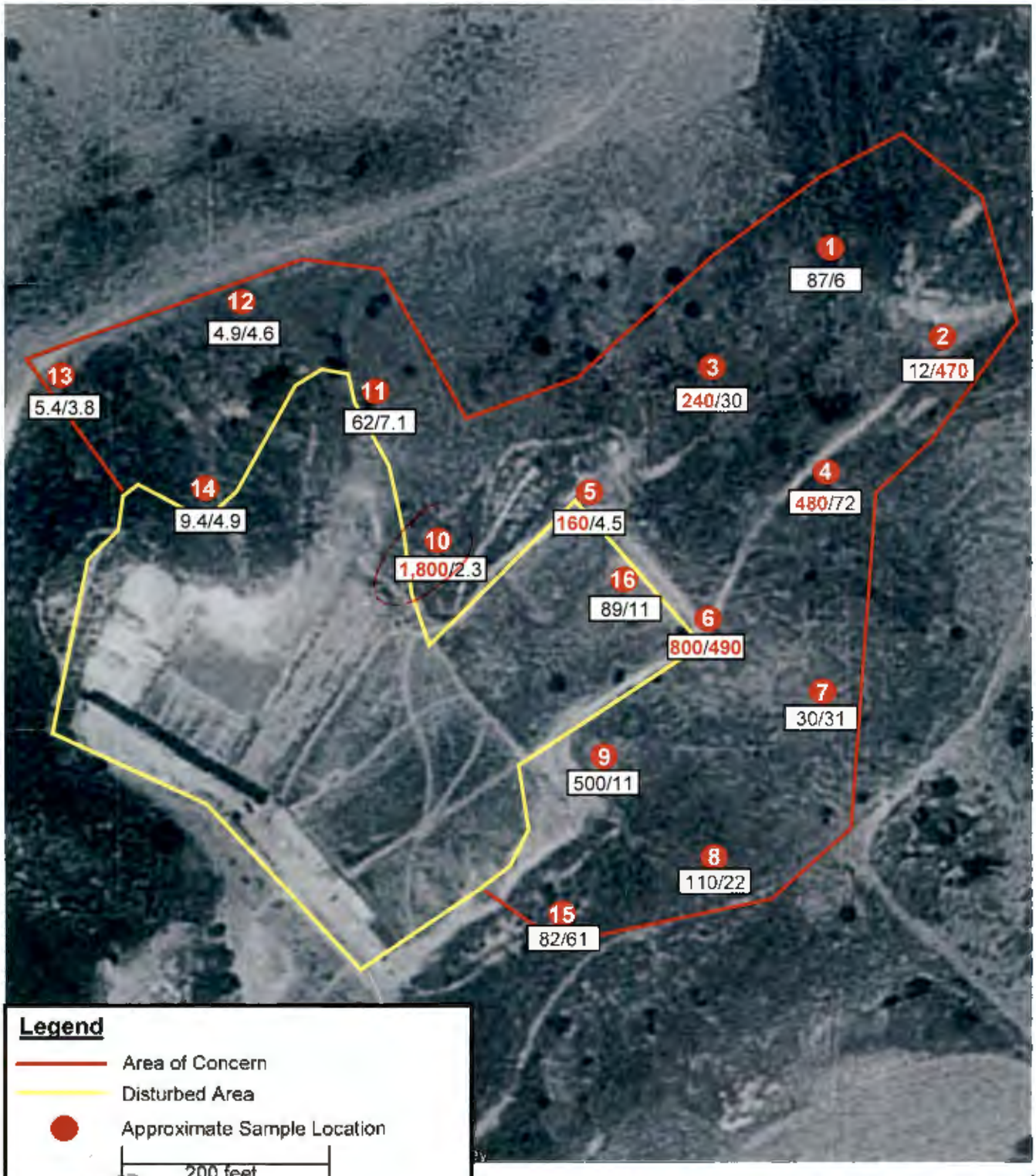
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Rifle Range 2011 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

3



AEC ENVIRONMENTAL CONCEPTS INC

220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Rifle Range 1994 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

2



Legend

Area of Concern

Disturbed Area

Approximate Sample Location

100 feet

8.7/68 = 0.5-ft/2-ft (mg/Kg)

77/160 **Red Bold** = Exceeds Residential CHHSL

AEC ENVIRONMENTAL CONCEPTS INC

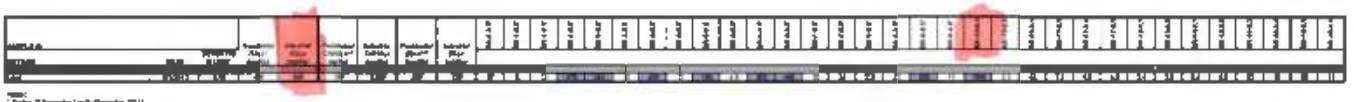
220 East Truxtun Avenue
Bakersfield, California 93305
(661) 395-1646

Pistol Range 2011 Aerial Photograph

Former Orange County Shooting and Training Center
Current SoCal Sandbags, Griffith Construction and IVG Lease Areas
"Area Q" • Jeffrey Road
County of Orange • California

FIGURE

5



Notes:

Table 2

Panel Range



Pb RSL_{COM} = 800 mg/kg

OCSTC- 2013


Jeffrey Road
Rifle Range
241
Skeet Range
Pistol
Range
133
Bee Canyon Access
© 2014 Google
N

OCSTC- 2013


Jeffrey Road
1800
Rifle Range
241
Skeet Range
Pistol
Range
1700
133
Bee Canyon Access Road
Image U.S. Geological Survey
N

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

MARK A. REFOWITZ
DIRECTOR

RICHARD SANCHEZ, MPH
ASSISTANT DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

DENISE FENNESSY, REHS
DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6473
FAX: (714) 754-1732
E-MAIL: EHEALTH@ochca.com

Excellence
Integrity
Service

April 25, 2014

Peter Changala,
The Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: Soil Assessment Work Plan, dated February 2013

Re: Former Orange County Shooting and Training Center
11159 Jeffrey Road, Area "Q"
Irvine, CA 92602
OCHCA Case No. 13IC006

Dear Mr. Changala,

Please be advised that this Agency has reviewed the records for the above referenced Voluntary Industrial Cleanup case. The records show that, on March 04, 2013 you submitted a work plan for soil assessment at the above site. In addition, the records show that the work plan was approved by Mr. Luis Lodrigueza of this Agency, in an e-mail to your consultant, dated March 25, 2013. Since that time there has been no contact between this Agency and your consultant.

Figures 2 through 5 of the above subject work plan indicate an area that is labeled "disturbed area". It is difficult to determine if this refers to soil that was removed during the previous Industrial Cleanup case (OCHCA case number 96IC013) at the above site. It is, therefore, necessary for you to prepare a map that shows the locations of the former skeet range, rifle range, and pistol range, in their proper geographic relation to each other.

It is also important for you to clarify the location of any additional soil removals on the attached figures. The above work plan indicates that some of the soil from the former pistol range was sampled, and subsequently stockpiled on February 11, 2003. The above work plan also states that the soil from the two soil berms that were acting as a shooting corridor was sampled subsequent to removal. The location of the area of soil removal is not clearly indicated on the attached map of the former pistol range. This area should be indicated on the updated map.

If you have any questions, please call the undersigned at (714) 433-6264.

Sincerely,

Steven A. Speer, Ph.D.

Steven A. Speer, Ph.D., REHS, REPA
Hazardous Waste Specialist
County of Orange
Environmental Health

Cc: Kamron Saremi, Santa Ana Regional Water Quality Control Board (electronic copy)
Jonathan Buck, Advanced Environmental Concepts, Inc. (electronic copy)

Speer, Steve

From:	Speer, Steve
Sent:	Friday, April 25, 2014 12:42 PM
To:	'jonbuck2359@gmail.com'
Cc:	Kamron Saremi (KSaremi@waterboards.ca.gov)
Subject:	Request for Updated Work Plan for OC Shooting and Training Center
Attachments:	Signed request for Work Plan Update 042514.pdf

Hi Jon,

Please review attached letter. We are unaware of any on-site activity, since the work plan was submitted last year.

Regards,

Steven A. Speer, P.H.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

Speer, Steve

From: Higgins, Geniece
Sent: Friday, April 25, 2014 11:17 AM
To: Speer, Steve
Subject: RE: Soil Map for OC Shooting and Training Center

Looks ok.

Please change date (4/26 is a Saturday), you are also missing a parenthesis on Kamron's cc line.

From: Speer, Steve
Sent: Thursday, April 24, 2014 7:03 PM
To: Higgins, Geniece
Subject: Soil Map for OC Shooting and Training Center

Hi Geniece,

Here is the revised letter that we talked about, briefly.

Thanks,

Steven A. Speer, PH.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

Speer, Steve

From: Higgins, Geniece
Sent: Friday, April 18, 2014 1:43 PM
To: Speer, Steve
Subject: RE: Soil Assessment at Former Orange County Shooting and Training Center - Lead Contamination

Hi Steve,

I believe we still needed to discuss this site. Let me know when you have some time. Next week is fine.

Thanks,
Geniece

From: Higgins, Geniece
Sent: Monday, April 14, 2014 9:35 AM
To: Speer, Steve
Subject: RE: Soil Assessment at Former Orange County Shooting and Training Center - Lead Contamination

See comments in letter. We should discuss when you have a minute. I am on a conference call for a few hours this morning.

From: Speer, Steve
Sent: Friday, April 11, 2014 5:39 PM
To: Higgins, Geniece
Subject: Soil Assessment at Former Orange County Shooting and Training Center - Lead Contamination

Hi Geniece,

Please take a look at this letter. This is a very old case that keeps re-opening, whenever the Irvine Company needs to sell off or lease some land. I wouldn't have a problem with that, except the excavated soil keeps getting misplaced. Of the 1100 yd^3 that was removed from the rifle range only 375 yd^3 made it to the landfill. It has been a year since the last work plan was approved. My letter is requesting a status report, but this case might need to go to DTSC, It was originally a DTSC case, in 1996.

Thanks,

Steven A. Speer, P.H.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

Speer, Steve

From:	Higgins, Geniece
Sent:	Monday, April 14, 2014 9:35 AM
To:	Speer, Steve
Subject:	RE: Soil Assessment at Former Orange County Shooting and Training Center - Lead Contamination
Attachments:	Request for Status of Soil Assessment Work PLan 041114_GH.docx

See comments in letter. We should discuss when you have a minute. I am on a conference call for a few hours this morning.

From: Speer, Steve
Sent: Friday, April 11, 2014 5:39 PM
To: Higgins, Geniece
Subject: Soil Assessment at Former Orange County Shooting and Training Center - Lead Contamination

Hi Geniece,

Please take a look at this letter. This is a very old case that keeps re-opening, whenever the Irvine Company needs to sell off or lease some land. I wouldn't have a problem with that, except the excavated soil keeps getting misplaced. Of the 1100 yd^3 that was removed from the rifle range only 375 yd^3 made it to the landfill. It has been a year since the last work plan was approved. My letter is requesting a status report, but this case might need to go to DTSC, It was originally a DTSC case, in 1996.

Thanks,

Steven A. Speer, P.H.D. REA, REHS
HAZARDOUS WASTE SPECIALIST
ENVIRONMENTAL HEALTH DIVISION
COUNTY OF ORANGE

(714) 433-6264 (OFFICE)
(714) 754-1768 (FAX)

Speer, Steve

From: Lodrigueza, Luis
Sent: Tuesday, February 04, 2014 9:35 AM
To: PeterChangala; Jonathan Buck (jonbuck@advanced-ec.com)
Cc: 'Saremi, Kamron@Waterboards'; Speer, Steve; Higgins, Geniece
Subject: Orange County Shooting & Training Center--11159 Jeffrey Road, Irvine CA 92602 OCHCA #13IC006

Please be advised that remedial investigation/remedial action oversight of subject case will be handled by Steve Speer [STSpeer@ochca.com; tel. (714) 433-6264] effective immediately. Please direct all future correspondence to him.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

Lodrigueza, Luis

From: Lodrigueza, Luis
Sent: Monday, March 25, 2013 2:12 PM
To: Jon Buck (jonbuck2359@gmail.com)
Subject: Orange County Shooting & Training Center

Jon,

You can proceed with implementation of your work plan; I have no objection.

I request, however, that you send me a more detailed map that shows the locations (properly labeled) of the former skeet, rifle and pistol ranges and boundaries of each, together with some reference point(s) that I can use for navigation.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

Lodrigueza, Luis

From: Mislang, Violeta@DTSC <Violeta.Mislang@dtsc.ca.gov>
Sent: Thursday, March 14, 2013 9:02 AM
To: Lodrigueza, Luis
Cc: Senga, Robert@DTSC
Subject: RE: Orange County Shooting & Training Center, Irvine

Luis,

I talked to Robert Senga and I was informed that Orange County Health can oversee the assessment/remediation at the Orange County Shooting and Training Center located in Irvine.

Let me know if you have other questions.

Violet

Violeta Mislang
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90241
(714) 484-5387
vmislang@dtsc.ca.gov

ounty Shooting & Training Center located in Irvine.

From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Tuesday, March 12, 2013 11:17 AM
To: Mislang, Violeta@DTSC
Subject: RE: Orange County Shooting & Training Center, Irvine

Thanks, Violet.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

From: Mislang, Violeta@DTSC [mailto:Violeta.Mislang@dtsc.ca.gov]
Sent: Tuesday, March 12, 2013 11:17 AM
To: Lodrigueza, Luis
Subject: RE: Orange County Shooting & Training Center, Irvine

Luis,

Robert is out of the office, I will forward your email to him, and will contact you back later or tomorrow.

Thanks,

Violet

Violeta Mislang
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90241
(714) 484-5387
vmislang@dtsc.ca.gov

From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Tuesday, March 12, 2013 9:35 AM
To: Mislang, Violeta@DTSC
Subject: FW: Orange County Shooting & Training Center, Irvine

Violet,

I sent the attachments to Mr. Senga per his request, so that he could find out whether the site is the same as a previous one DTSC was involved or would like to get involved with. I have not received any feedback from him so far. Would you be able to find out whether OCHCA can open a voluntary cleanup case file on this site, or if DTSC has decided to take over the cleanup case?

Thanks.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

From: Lodrigueza, Luis
Sent: Wednesday, March 06, 2013 1:27 PM
To: Senga, Robert@DTSC
Cc: Jon Buck (jonbuck2359@gmail.com)
Subject: Orange County Shooting & Training Center, Irvine

Robert,

Please see attachments. A case file for the site was opened by OCHCA in 1996 and was closed in 2003.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

Lodrigueza, Luis

From: Mislang, Violeta@DTSC <Violeta.Mislang@dtsc.ca.gov>
Sent: Tuesday, March 12, 2013 11:18 AM
To: Lodrigueza, Luis
Subject: RE: Orange County Shooting & Training Center, Irvine

Ok

From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Tuesday, March 12, 2013 11:17 AM
To: Mislang, Violeta@DTSC
Subject: RE: Orange County Shooting & Training Center, Irvine

Thanks, Violet.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

From: Mislang, Violeta@DTSC [mailto:Violeta.Mislang@dtsc.ca.gov]
Sent: Tuesday, March 12, 2013 11:17 AM
To: Lodrigueza, Luis
Subject: RE: Orange County Shooting & Training Center, Irvine

Luis,

Robert is out of the office, I will forward your email to him, and will contact you back later or tomorrow.

Thanks,

Violet

Violeta Mislang
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90241
(714) 484-5387
vmislang@dtsc.ca.gov

From: Lodrigueza, Luis [mailto:LLodrigueza@ochca.com]
Sent: Tuesday, March 12, 2013 9:35 AM

To: Mislang, Violeta@DTSC
Subject: FW: Orange County Shooting & Training Center, Irvine

Violet,

I sent the attachments to Mr. Senga per his request, so that he could find out whether the site is the same as a previous one DTSC was involved or would like to get involved with. I have not received any feedback from him so far. Would you be able to find out whether OCHCA can open a voluntary cleanup case file on this site, or if DTSC has decided to take over the cleanup case?

Thanks.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

From: Lodrigueza, Luis
Sent: Wednesday, March 06, 2013 1:27 PM
To: Senga, Robert@DTSC
Cc: Jon Buck (jonbuck2359@gmail.com)
Subject: Orange County Shooting & Training Center, Irvine

Robert,

Please see attachments. A case file for the site was opened by OCHCA in 1996 and was closed in 2003.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

Lodrigueza, Luis

From: Lodrigueza, Luis
Sent: Tuesday, March 12, 2013 9:35 AM
To: Mislang, Violeta@DTSC (Violeta.Mislang@dtsc.ca.gov)
Subject: FW: Orange County Shooting & Training Center, Irvine
Attachments: FINAL-OCTSC Work Plan.pdf; OCShooting&TraingCtr_closure docs.pdf

Violet,

I sent the attachments to Mr. Senga per his request, so that he could find out whether the site is the same as a previous one DTSC was involved or would like to get involved with. I have not received any feedback from him so far. Would you be able to find out whether OCHCA can open a voluntary cleanup case file on this site, or if DTSC has decided to take over the cleanup case?

Thanks.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

From: Lodrigueza, Luis
Sent: Wednesday, March 06, 2013 1:27 PM
To: Senga, Robert@DTSC
Cc: Jon Buck (jonbuck2359@gmail.com)
Subject: Orange County Shooting & Training Center, Irvine

Robert,

Please see attachments. A case file for the site was opened by OCHCA in 1996 and was closed in 2003.

Luis Lodrigueza
Hazardous Waste Specialist
OCHCA Environmental Health
Hazardous Materials Mitigation Section
(714) 433-6253

COUNTY OF ORANGE
HEALTH CARE AGENCY

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

MARK REFOWITZ
INTERIM DIRECTOR

DAVID M. SOULELES, MPH
DEPUTY AGENCY DIRECTOR

RICHARD SANCHEZ, REHS, MPH
DIRECTOR
ENVIRONMENTAL HEALTH

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1241 E. DYER RD., #120
SANTA ANA, CA 92705-5611

TELEPHONE: (714) 433-6000
FAX: (714) 754-1732
E-MAIL: ehealth@ochca.com

Excellence
Integrity
Service

March 6, 2013

Peter Changala
The Irvine Company
11501 Jeffrey Road
Irvine, CA 92602

Subject: **Request for Remedial Action Supervision**

Re: Orange County Shooting & Training Center
11159 Jeffrey Road
Irvine, CA 92602
OCHCA Case #13IC006

Dear Mr. Changala:

Orange County Health Care Agency (OCHCA) Environmental Health has received the request you submitted for remedial action supervision as provided for in the California Health and Safety Code (H&SC), Division 101, Chapter 4, Article 5, Section 101480 (b), at the above referenced site. This Agency agrees to provide remedial oversight in accordance with the conditions specified on page 2 of "Request for Remedial Action Supervision" unless the California Department of Toxic Substances Control or Regional Water Quality Control Board (RWQCB) objects to OCHCA's oversight of the project within 10 business days of receipt of notification.

Where a preliminary site assessment has not already been submitted, please submit a site assessment work plan for review and concurrence by HCA staff prior to implementation. This review will help ensure the planned site assessment work includes required information. The site assessment work plan should be designed to accomplish the identification of the lateral and vertical extent of soil contamination and the concentration of contaminants. The plan should include:

1. A site history that will serve as rationale for the selection of the locations of soil samples and soil borings and laboratory methods.
2. The proposed number and locations of soil samples and soil borings, and sampling methodology.
3. The proposed laboratory analysis and method.

After completion of site assessment, a report that outlines the findings of the site assessment and presents a proposed remedial action plan should be submitted to OCHCA staff for review and concurrence. A health and safety plan will be required where site remedial activities may pose a threat to public health. After the remedial action plan has been fully implemented, remediation completion will be determined by site sampling overseen by OCHCA staff.

Upon the satisfactory completion of site assessment and necessary soil remediation, this Agency will issue a letter of completion. Where the site assessment reveals a possible threat to groundwater resources, the appropriate RWQCB will be so notified. When the RWQCB requires soil remedial action you will be requested to submit remedial action plans to both Agencies for review and concurrence.

All required permits must be obtained prior to beginning exploratory borings and construction of wells. All borings and abandoned wells must be properly sealed. Wells should be secured to prevent unauthorized access. For further information regarding required well permits and well abandonment, please contact this Agency's Water Quality Section at (714) 433-6287 or (714) 433-6288. Drilling procedures, well design and construction must be accomplished in a manner that prevents the spread of contamination. Design and procedures should be developed by a registered professional (P.G., C.E.G., R.C.E., C.H.G., or equivalent) with expertise in subsurface investigations. Reports that include logs of soil borings or any findings or conclusions relating to subsurface information must be signed by a properly registered professional (P.G., C.E.G., C.H.G., or equivalent).

If any material removed from the site is a hazardous waste, send photocopies of the manifests, signed by the receiving facility, used to transport the material as verification of its proper transportation and disposal or treatment. Contaminated soil not meeting hazardous waste criteria should not be removed off site to other than a Class I hazardous waste landfill or permitted hazardous waste treatment facility without verification by this Agency and approval of the appropriate RWQCB.

Be advised that an owner of non-residential real property who knows, or has reasonable cause to believe, that any release of a hazardous substance has come to be located on or beneath that real property shall, prior to sale, lease, or rental of the real property, give written notice of that condition to each buyer, lessee, or renter of the real property (H&SC, Division 20, Chapter 6.8, Section 25359.7[a]). Also any lessee or renter of real property who knows or has reasonable cause to believe that any release of a hazardous substance has come or will come to be located on or beneath that real property shall, following its discovery, give written notice of that condition to the owner of the real property or the lessor (H&SC Division 20, Chapter 6.8, Section 25359.7[b]).

If you have any questions regarding this matter, please contact the undersigned at (714) 433-6253 or LLodrigueza@ochca.com.

Sincerely,

Luis Lodrigueza
Hazardous Waste Specialist
Hazardous Materials Mitigation Section
Environmental Health Division

cc: Ann Sturdivant, California Regional Water Quality Control Board- Santa Ana Region (e-copy)
Kamron Saremi, California Regional Water Quality Control Board- Santa Ana Region (e-vopy)

LUIS

ADVANCED ENVIRONMENTAL CONCEPTS INC

March 1, 2013

Mr. Luis Lodrigueza
Orange County Health Care Agency
1241 E. Dyer Road, Suite 120
Santa Ana, CA 92705

RE: Soil Assessment Work Plan
Former Orange County Shooting and Training Center
Irvine, California

Dear Mr. Lodrigueza:

Please find enclosed 1 (one) copy of the Soil Assessment Work Plan prepared by Advanced Environmental Concepts, Inc.

Should you have any questions or require clarification on any aspects of the enclosed, please do not hesitate to contact our office at (661) 395-1646.

Respectfully yours,

Advanced Environmental Concepts, Inc.

April Saceaux
Office Manager

RECEIVED HCA
MAR 04 2013
ENVIRONMENTAL HLTH

220 E. TRUXTUN AVENUE BAKERSFIELD CA 93305 661/395-1646 FAX 661/395-1616

SUCHY TRENCHING (CERSID: 10548514)

Facility Information **Submitted Feb 27, 2023**

Submitted on 2/27/2023 5:00:26 PM by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 27, 2023**

Submitted on 2/27/2023 5:00:26 PM by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

- Hazardous Material Inventory (1)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Web graphic, 866KB)
  - *Annotated Site Map (Official Use Only)* (Web graphic, 702KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 188KB)

California Environmental Reporting System (CERS) — Business Activities

Site Identification

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548514
EPA ID Number
CAL000183770

Submittal Status

Submitted on 2/27/2023 by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	Yes

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	No

Hazardous Waste

Is your facility a Hazardous Waste Generator?	Yes
Does your facility treat hazardous waste on-site?	No
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	No
Does your facility consolidate hazardous waste generated at a remote site?	No
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	No
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	No
Is your facility a Household Hazardous Waste (HHW) Collection site?	No

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	No

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	No

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	No

Additional Information

No additional comments provided.

Facility/Site

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548514

Submittal Status

Submitted on 2/27/2023 by *Robert Suchy* of SUCHY TRENCHING (IRVINE, CA)

Identification

Robert Suchy

Operator Phone	Business Phone	Business Fax
(714) 412-5406	(714) 633-2733	

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
	1794	238910

Facility/Site Mailing Address

PO Box 7303
Orange, CA 92863

Primary Emergency Contact

Robert Suchy
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(714) 633-2733	(714) 412-5406	

Owner

Suchy Trenching, Inc.
(714) 633-2733
PO Box 7303
Orange, CA 92863

Secondary Emergency Contact

Richard Suchy
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(714) 633-2733	(714) 412-5407	

Billing Contact

Irene Elbe
(714) 633-2733 suchytrenching@gmail.com
PO Box 7303
Orange, CA 92863

Environmental Contact

Robert Suchy
(714) 412-5406 suchytrenching@gmail.com
PO Box 7303
Orange, CA 92863

Name of Signer	Signer Title	Document Preparer
Robert Suchy	Owner	Robert Suchy

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

The Irvine Co
Phone
(949) 720-2203
Mailing Address
550 Newport Center Dr
Newport Beach, CA 92660

Assessor Parcel Number (APN)

Number of Employees

Facility ID
FA0039387

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SUCHY TRENCHING**
Facility Name **SUCHY TRENCHING**
11501 JEFFREY RD , IRVINE 92602

Chemical Location **Building**

CERS ID **10548514**
Facility ID **FA0039387**
Status **Submitted** on 2/27/2023 5:00 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Motor Oil	**Gallons**	**110**	**55**	35	110	- Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation	various petroleum oils	100%		64742-65-0
Combustible Liquid, Class III-B	CAS No	State: Liquid Type: Waste	Storage Container: Aboveground Tank Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code: 221					

STICE COMPANY INC (CERSID: 10548562)

Facility Information **Accepted Mar 30, 2022**

Submitted on 3/23/2022 4:15:19 PM by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted*** on 3/30/2022 9:09:33 AM by Jeff Nofal

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted Mar 30, 2022**

Submitted on 3/23/2022 4:15:19 PM by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted*** on 3/30/2022 9:09:52 AM by Jeff Nofal
Comments by regulator: Conditionally accepted pending on site review.

- Hazardous Material Inventory (6)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 181KB)

California Environmental Reporting System (CERS) — Business Activities

Site Identification

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548562
EPA ID Number
CAR000172460

Submittal Status

Submitted on 3/23/2022 by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 3/30/2022 by *Jeff Nofal* for Orange County Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548562

Submittal Status

Submitted on 3/23/2022 by *Jon Stice* of STICE COMPANY INC (IRVINE, CA)
Submittal was ***Accepted***; Processed on 3/30/2022 by *Jeff Nofal* for Orange County Environmental Health

Identification

Jon Stice

Operator Phone	Business Phone	Business Fax
(714) 322-7816	(949) 654-4600	

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**

Facility/Site Mailing Address

10851 Jeffrey road
Irvine , CA 92602

Primary Emergency Contact

Jonathan Stice
Title
Vice President

Business Phone	24-Hour Phone	Pager Number
(949) 654-4600	(714) 322-7816	

Owner

Stice Company Inc.
(714) 746-8590
10851 Jeffrey road
Irvine , CA 92602

Secondary Emergency Contact

Robert Stice
Title
Owner

Business Phone	24-Hour Phone	Pager Number
(949) 654-4600	(714) 746-8590	

Billing Contact

Stacey Barnhart
(949) 654-4600 Stacey@sticeco.com
10851 Jeffrey road
Irvine , CA 92602

Environmental Contact

John Stice
(714) 322-7816 jnstice@sticeco.com
10851 Jeffrey Road
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Jon Stice	Vice President	Jon Stice

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Irvine Company
Phone
(949) 720-2716
Mailing Address
550 newport center drive
Newport beach , CA 92660

Assessor Parcel Number (APN)

Number of Employees
13
Facility ID
FA0039431

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **LEVEL 2**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Propane	**Gallons**	**24**	**8**	16	0					
Flammable Gas	CAS No 74-98-6	State: Liquid Type: Pure	Storage Container: Cylinder Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **Storage**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Ethylene Glycol CAS No 107-21-1	**Gallons** State Liquid Type Pure	**55** Storage Container Plastic Bottle or Jug Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	Waste Code	- Health Acute Toxicity				
DOT: 2.1 - Flammable Gases Unstable (Reactive), Class 2, Flammable Gas	**Acetylene** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**290** Storage Container Cylinder Days on Site: 365	**145**	145 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen Gas** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**825** Storage Container Cylinder Days on Site: 365	**275**	550 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **STICE COMPANY INC**
Facility Name **STICE COMPANY INC**
10851 JEFFREY RD , IRVINE 92602

Chemical Location **Storage**

CERS ID **10548562**
Facility ID **FA0039431**
Status **Submitted** on 3/23/2022 4:15 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Mixture	**550** Storage Container: Aboveground Tank Days on Site: 365	**550**	550 Pressue: Ambient Temperature: Ambient	7300 Waste Code: 221	- Physical Flammable	VARIOUS LUBRICATING BASE OILS ZINC ALKYLDITHIOPHOSPHATE	85% 2%		64742-65-0 68649-42-3
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No	**Gallons** State: Liquid Type: Waste	**280** Storage Container: Aboveground Tank Days on Site: 365	**280**	100 Pressue: Ambient Temperature: Ambient	4800 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3

NAKAE & ASSOCIATES INC (CERSID: 10548574)

Facility Information **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Hazardous Material Inventory (9)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 34KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 17KB)

Guidance Messages

- **Warning:**
  1. Hazardous Material Inventory - This inventory contains 1 trade secret material(s). Trade secret information must meet the criteria specified in California Civil Code 3426.1(d) and Government Code 6254.7

Emergency Response and Training Plans **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 250KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

Aboveground Petroleum Storage Act **Submitted Feb 9, 2023**

Submitted on 2/9/2023 8:19:32 AM by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

- Aboveground Petroleum Storage Act Documentation
  - Provided In Submital Element: Hazardous Materials Inventory
- APSA Facility Information

California Environmental Reporting System (CERS) — Business Activities

Site Identification

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602
County
Orange

CERS ID
10548574
EPA ID Number
CAL000287752

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	Yes

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	No

Hazardous Waste

Is your facility a Hazardous Waste Generator?	Yes
Does your facility treat hazardous waste on-site?	No
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	No
Does your facility consolidate hazardous waste generated at a remote site?	No
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	No
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	No
Is your facility a Household Hazardous Waste (HHW) Collection site?	No

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	No

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	Yes

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	No

Additional Information

No additional comments provided.

Facility/Site

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548574

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

Identification

Nakae & Associates, Inc.

Operator Phone	Business Phone	Business Fax
(949) 786-0405	(949) 786-0405	(949) 786-2585

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**

Facility/Site Mailing Address

11159 Jeffrey Road
Irvine, CA 92602

Primary Emergency Contact

kevin P. Kirchner
Title
Vice President

Business Phone	24-Hour Phone	Pager Number
(949) 786-0405	(714) 412-4486	

Owner

Russell Nakae
(949) 786-0405
11159 JEFFREY RD
IRVINE, CA 92602

Secondary Emergency Contact

Bob Johnson
Title
Superintendent

Business Phone	24-Hour Phone	Pager Number
(949) 786-0405	(949) 254-0343	

Billing Contact

Kevin P. Kirchner
(949) 786-0405 ocstaff@nakae.com
11159 JEFFREY RD
IRVINE, CA 92602

Environmental Contact

Kevin P. Kirchner
(949) 786-0405 ocstaff@nakae.com
11159 JEFFREY RD
IRVINE, CA 92602

Name of Signer	Signer Title	Document Preparer
Kevin Kirchner	Vice President	Kevin Kirchner

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

The Irvine Company
Phone

Mailing Address
Dept. 6001-6003
Los Angeles, CA 90084

Assessor Parcel Number (APN)

Number of Employees
11

Facility ID
FA0039443

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Inside Shop**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**White Mineral Oil** CAS No 8042-47-5 Map: Site Map	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum Days on Site: 365	**55**	55 Pressue Temperature Ambient	Waste Code	- Health Acute Toxicity				
Combustible Liquid, Class III-B	**Ethylene Glycol** CAS No 107-21-1	**Gallons** State Liquid Type Pure	**55** Storage Container Steel Drum		55 Pressue Temperature	Waste Code	- Health Acute Toxicity - Health Specific Target Organ Toxicity				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Acetone** CAS No 67-64-1	**Gallons** State Liquid Type Mixture	**55** Storage Container Steel Drum Days on Site: 365	**55**	1 Pressue Ambient Temperature Ambient	3 Waste Code 212	- Physical Flammable - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Specific Target Organ Toxicity - Health Aspiration Hazard - Health Hazard Not Otherwise Classified	heptane Naphtha	1% 30%		142-82-5 64742-49-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Lower Yard**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel** CAS No 68334-30-5	**Gallons** State Liquid Type Pure	**5600** Storage Container Aboveground Tank Days on Site: 365	**5600**	3400 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-B	**Gasoline** CAS No 86290-81-5	**Gallons** State Liquid Type Pure	**500** Storage Container Aboveground Tank Days on Site: 365	**500**	250 Pressue Ambient Temperature Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location
Outside of Shop

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Used lubricating oils** CAS No 64742-65-0	**Gallons** State Liquid Type Waste	**165** Storage Container Steel Drum Days on Site: 365	**55**	80 Pressue Ambient Temperature Ambient	500 Waste Code 221	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Various Petroleum Oils	100%		64742-65-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location
Outside Shop

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	Waste Antifreeze	**Gallons**	**55**	**55**	25	110	- Health Hazard	Ethylene Glycol	83%		107-21-1
Combustible Liquid, Class III-B	CAS No 107-21-1	State: Liquid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 343	Not Otherwise Classified	Diethylene Glycol	16%		111-46-6
		Type: Waste	Days on Site: 365		Temperature: Ambient			Potassium Phosphate	1%		7758-11-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **NAKAE & ASSOCIATES INC**
Facility Name **NAKAE & ASSOCIATES INC**
11159 JEFFREY RD , IRVINE 92602

Chemical Location **Shop**

CERS ID **10548574**
Facility ID **FA0039443**
Status **Submitted** on 2/9/2023 8:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No 64742-65-0	**Gallons** State Liquid Type Mixture	**165** Storage Container Steel Drum Days on Site: 365	**55**	110 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	VARIOUS PETROLEUM OILS	100%		64742-65-0
DOT: 2.2 - Nonflammable Gases Oxidizing, Class 2	**Oxygen** CAS No 7782-44-7	**Cu. Feet** State Gas Type Pure	**337** Storage Container Cylinder Days on Site: 365	**337**	168 Pressue > Ambient Temperature Ambient	0 Waste Code	- Physical Gas Under Pressure - Physical Oxidizer				7782-44-7

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID #	1. CERS ID	A1. DATE OF PLAN PREPARATION/REVISION A2.
FA0039443	10548574	05/04/2016

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* 3.
Nakae & Associates, Inc.

BUSINESS SITE ADDRESS 103.
11159 Jeffrey Road

BUSINESS SITE CITY 104.		ZIP CODE 105.
Irvine	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A3.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A4.
Landscape Construction	Fleet maintenance

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING: (Check all that apply) A5.

☒ 1. HAZARDOUS MATERIALS; ☒ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR VIA: (Check all that apply) B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (i.e., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator (or his/her designee when the Emergency Coordinator is on call) shall:

1. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
2. Notify appropriate local authorities (i.e., call 9-1-1).
3. Notify the California Emergency Management Agency at (800) 852-7550.

Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall notify the California Department of Toxic Substances Control (DTSC), the local Unified Program Agency (UPA), and the local fire department's hazardous materials program that the facility is in compliance with requirements to:

1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR VIA: (Check all that apply) C1.

☒ 1. VERBAL WARNINGS;	☒ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☐ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY: (Check all that apply) C2.

☒ 1. VERBAL WARNINGS;	☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;	☒ 3. TELEPHONE;
☐ 4. PAGERS;	☐ 5. ALARM SYSTEM;	☐ 6. PORTABLE RADIO

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CAL/EMA)	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA/CUPA)	7144336000 C3.
	OTHER (Specify): C4.	C5.
NEAREST MEDICAL FACILITY / HOSPITAL NAME:	Sunrise Healthcare Centers C6.	(714) 669-1997 C7.
AGENCY NOTIFICATION PHONE NUMBERS:	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD	C8.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT OF FISH AND GAME (DFG)	(916) 358-2900
	U.S. COAST GUARD	(202) 267-2180
	CAL/OSHA	(916) 263-2800
	STATE FIRE MARSHAL	(916) 445-8200
	OTHER (Specify): C9.	C10.
	OTHER (Specify): C11.	C12.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

SPILL PREVENTION, CONTAINMENT, AND CLEANUP PROCEDURES: (Check all boxes that apply to indicate your procedures for containing spills, releases, fires or explosions; and. preventing and mitigating associated harm to persons, property, and the environment.)

D1.

- ☒ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- ☒ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls);
- ☒ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, pigs, pillows);
- ☐ 4. COVER OR BLOCK FLOOR AND/ OR STORM DRAINS;
- ☐ 5. BUILT-IN BERM IN WORK / STORAGE AREA;
- ☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- ☒ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS (e.g. Flammable liquids, Propane);
- ☒ 8. STOP PROCESSES AND/OR OPERATIONS;
- ☐ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- ☒ 10. SHUT-OFF WATER, GAS, ELECTRICAL UTILITIES AS APPROPRIATE;
- ☒ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE / MEDICAL AID;
- ☒ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AREAS;
- ☒ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION CALL;
- ☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE RESPONSE TEAM;
- ☒ 15. REMOVE OR ISOLATE CONTAINERS / AREA AS APPROPRIATE;
- ☒ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- ☒ 17. USE ABSORBENT MATERIAL FOR SPILLS WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- ☐ 18. SUCTION USING SHOP VACUUM WITH SUBSEQUENT PROPER LABELING, STORAGE, AND HAZARDOUS WASTE DISPOSAL AS APPROPRIATE;
- ☐ 19. WASH / DECONTAMINATE EQUIPMENT W/ CONTAINMENT and DISPOSAL OF EFFLUENT / RINSATE AS HAZARDOUS WASTE;
- ☒ 20. PROVIDE SAFE TEMPORARY STORAGE OF EMERGENCY-GENERATED WASTES;
- ☐ 21. OTHER (Specify):

D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (CHECK ALL THAT APPLY): E1.

- ☐ 1. BELLS;
- ☒ 2. HORNS/SIRENS;
- ☒ 3. VERBAL (I.E., SHOUTING);
- ☐ 4. OTHER (Specify):

E2.

THE FOLLOWING LOCATION(S) IS/ARE EVACUEE EMERGENCY ASSEMBLY AREA(S) (i.e., Front parking lot, specific street corner, etc.) E3.

Front Parking Lot

Note: The Emergency Coordinator must account for all on site employees and/or site visitors after evacuation.

☒ EVACUATION ROUTE MAP(S) POSTED AS REQUIRED E4.

Note: The map(s) must show primary and alternate evacuation routes, emergency exits, and primary and alternate staging areas, and must be prominently posted throughout the facility in locations where it will be visible to employees and visitors.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

Explanation of Requirement: Advance arrangements with local fire and police departments, hospitals, and/or emergency services contractors should be made as appropriate for your facility. You may determine that such arrangements are not necessary.

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following) F1.

- ☒ 1. HAVE BEEN DETERMINED NOT NECESSARY; *or*
- ☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify):

F2.

G. EMERGENCY EQUIPMENT

Check all boxes that apply to list emergency response equipment available at the facility and identify the location(s) where the equipment is kept and the equipment's capability, if applicable. [e.g., ☒ CHEMICAL PROTECTIVE GLOVES | Spill response kit | One time use, Oil & solvent resistant only.]

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION	CAPABILITY *(If applicable)*
Safety and First Aid	1. ☒ CHEMICAL PROTECTIVE SUITS, APRONS, OR VESTS	G2. P.P.E Storage Bin - Lower yard	G3. One Time Use
	2. ☒ CHEMICAL PROTECTIVE GLOVES	G4. P.P.E. Storage Bin - Lower Yard	G5.
	3. ☒ CHEMICAL PROTECTIVE BOOTS	G6. P.P.E. Storage Bin - Lower Yard	G7.
	4. ☒ SAFETY GLASSES / GOGGLES / SHIELDS	G8. P.P.E. Storage Bin - Lower Yard	G9.
	5. ☒ HARD HATS	G10. P.P.E. Storage Bin - Lower Yard	G11.
	6. ☐ CARTRIDGE RESPIRATORS	G12.	G13.
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)	G14.	G15.
	8. ☒ FIRST AID KITS / STATIONS	G16. P.P.E. Storage Bin - Lower Yard	G17.
	9. ☒ PLUMBED EYEWASH FOUNTAIN / SHOWER	G18. Corner Garage	G19.
	10. ☐ PORTABLE EYEWASH KITS	G20.	G21.
	11. ☐ OTHER	G22.	G23.
	12. ☐ OTHER	G24.	G25.
Fire Fighting	13. ☒ PORTABLE FIRE EXTINGUISHERS	G26. Shop/ office/ Yard/ Tool Storage Bin	G27.
	14. ☐ FIXED FIRE SYSTEMS / SPRINKLERS / FIRE HOSES	G28.	G29.
	15. ☐ FIRE ALARM BOXES OR STATIONS	G30.	G31.
	16. ☐ OTHER	G32.	G33.
Spill Control and Clean-Up	17. ☐ ALL-IN-ONE SPILL KIT	G34.	G35.
	18. ☒ ABSORBENT MATERIAL	G36. Shop	G37. One Time Use
	19. ☒ CONTAINER FOR USED ABSORBENT	G38. Shop	G39.
	20. ☐ BERMING / DIKING EQUIPMENT	G40.	G41.
	21. ☒ BROOM	G42. Tool Storage Bin - Lower yard	G43.
	22. ☒ SHOVEL	G44. Tool Storage Bin - Lower yard	G45.
	23. ☐ SHOP VAC	G46.	G47.
	24. ☐ EXHAUST HOOD	G48.	G49.
	25. ☐ EMERGENCY SUMP / HOLDING TANK	G50.	G51.
	26. ☐ CHEMICAL NEUTRALIZERS	G52.	G53.
	27. ☐ GAS CYLINDER LEAK REPAIR KIT	G54.	G55.
	28. ☐ SPILL OVERPACK DRUMS	G56.	G57.
	29. ☐ OTHER	G58.	G59.
Communi-cations and Alarm Systems	30. ☒ TELEPHONES (Includes cellular)	G60. Shop / Office / Personal Cell Phones	G61.
	31. ☒ INTERCOM / PA SYSTEM	G62. Shop / Yard	G63.
	32. ☐ PORTABLE RADIOS	G64.	G65.
	33. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT	G66.	G67.
Other	34. ☐ OTHER	G68.	G69.
	35. ☐ OTHER	G70.	G71.

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases / spills due to earthquake-related motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS: (Check all that apply)	H1.	LOCATIONS (e.g., shop, outdoor shed, forensic lab)	
☒ 1. HAZARDOUS MATERIALS / WASTE STORAGE AREA		Yard and Shop	H2.
☐ 2. PROCESS LINES / PIPING			H3.
☐ 3. LABORATORY			H4.
☐ 4. WASTE TREATMENT AREA			H5.

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS: (Check all that apply)	H6.	LOCATIONS	
☒ 1. SHELVES, CABINETS AND RACKS		Shop	H7.
☒ 2. TANKS (EMERGENCY SHUTOFF)		Yard and Shop	H8.
☒ 3. PORTABLE GAS CYLINDERS		Shop	H9.
☐ 4. EMERGENCY SHUTOFF AND/OR UTILITY VALVES			H10.
☐ 5. SPRINKLER SYSTEMS			H11.
☐ 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane dispensing tank)			H12.

I. EMPLOYEE TRAINING

Explanation of Requirement: Employee training is required for all employees handling hazardous materials and hazardous wastes in day-to-day or clean-up operations including volunteers and/or contractors. Training must be:

- Provided within 6 months for new hires;
- Amended as necessary prior to change in process or work assignment;
- Given upon modification to the Emergency Response / Contingency Plan, and updated/refreshed annually for all employees.

Required content includes all of the following:

- Material Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Fire hazards of materials / processes;
- Conditions likely to worsen emergencies;
- Coordination of emergency response;
- Notification procedures;
- Applicable laws and regulations;
- Communication and alarm systems;
- Personal protective equipment;
- Use of emergency response equipment (e.g. Fire extinguishers, respirators, etc.);
- Decontamination procedures;
- Evacuation procedures;
- Control and containment procedures;
- UST monitoring system equipment and procedures (if applicable).

INDICATE HOW EMPLOYEE TRAINING PROGRAM IS ADMINISTERED (Check all that apply) I1.

☐ 1. FORMAL CLASSROOM; ☐ 2. VIDEOS; ☒ 3. SAFETY / TAILGATE MEETINGS;

☐ 4. STUDY GUIDES / MANUALS (Specify): _____ I2.

☐ 5. OTHER (Specify): _____ I3.

☐ 6. NOT APPLICABLE BECAUSE FACILITY HAS NO EMPLOYEES

Large Quantity Generator (LQG) Training Records: Large quantity hazardous waste generators (i.e., who generate more than 270 gallons/1,000 kilograms of hazardous waste per month) must retain written documentation of employee hazardous waste management training sessions which includes:

- A written outline/agenda of the type and amount of both introductory and continuing training that will be given to persons filling each job position having responsibility for the management of hazardous waste (e.g., labeling, manifesting, compliance with accumulation time limits, etc.).
- The name, job title, and date of training for each hazardous waste management training session given to an employee filling such a job position; and
- A written job description for each of the above job positions that describes job duties and the skills, education, or other qualifications required of personnel assigned to the position.
- Current employee training records must be retained until closure of the facility.
- Former employee training records must be retained at least three years after termination of employment.

J. LIST OF ATTACHMENTS

(Check one of the following) J1.

☒ 1. NO ATTACHMENTS ARE REQUIRED; *or*

☐ 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

K. SIGNATURE / CERTIFICATION

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete, and that a copy is available on site.

SIGNATURE OF OWNER/OPERATOR	DATE SIGNED K1.
	05/04/2016
NAME OF SIGNER (print) K2.	TITLE OF SIGNER K3.
Kevin P. Kirchner	Vice President

California Environmental Reporting System (CERS)

Aboveground Petroleum Storage Act - Facility Information Report

Facility/Site

NAKAE & ASSOCIATES INC
11159 JEFFREY RD
IRVINE, CA 92602

CERS ID
10548574

CAL000287752

Submittal Status

Submitted on 2/9/2023 by *Kevin Kirchner* of NAKAE & ASSOCIATES INC (IRVINE, CA)

APSA Facility Information

Conditionally Exempt APSA Tank Facility
N

Date Of SPCC Plan Certification or Date of 5-Year Review
11/17/2021

Total Aboveground Storage Capacity of Petroleum	Number of Tanks in Underground Area(s)
6720	0

IRVINE VALENCIA GROWERS (CERSID: 10790038)

Facility Information **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Hazardous Material Inventory (7)
- Site Map (Official Use Only)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 797KB)
  - *Annotated Site Map (Official Use Only)* (Adobe PDF, 797KB)

Emergency Response and Training Plans **Submitted Feb 28, 2023**

Submitted on 2/28/2023 2:23:57 PM by *Karen Verghese* of Irvine Valencia Growers (Irvine)

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 1326KB)
- Employee Training Plan
  - *Employee Training Plan* (Adobe PDF, 1760KB)

Site Identification

IRVINE VALENCIA GROWERS
11501 Jeffrey Rd
Irvine, CA 92602
County
Orange

CERS ID
10790038
EPA ID Number
CAL000317787

Submittal Status

Submitted on 2/28/2023 by *Karen Verghese* of Irvine Valencia Growers (Irvine)

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**Yes**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**Yes**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

Facility/Site

IRVINE VALENCIA GROWERS
11501 Jeffrey Rd
Irvine, CA 92602

CERS ID
10790038

Submittal Status

Submitted on 2/28/2023 by *Karen Verghese* of Irvine Valencia Growers (Irvine)

Identification

IRVINE VALENCIA GROWERS

Operator Phone	Business Phone	Business Fax
(949) 533-3610	(949) 936-8085	(949) 936-8001

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
006905806	0179	115115

Facility/Site Mailing Address

11501 Jeffrey Road
Irvine, CA 92602

Primary Emergency Contact

PETER CHANGALA
Title
PRESIDENT

Business Phone	24-Hour Phone	Pager Number
(949) 936-8092	(949) 422-2292	

Owner

IRVINE VALENCIA GROWERS
(949) 936-8085
11501 Jeffrey Road
Irvine, CA 92602

Secondary Emergency Contact

KAREN VERGHESE
Title
CONTROLLER

Business Phone	24-Hour Phone	Pager Number
(949) 936-8085	(949) 533-3610	

Billing Contact

Karen Verghese
(949) 936-8085 kverghese@irvinecompany.com
11501 Jeffrey Road
Irvine, CA 92602

Environmental Contact

KAREN VERGHESE
(949) 936-8085 kverghese@irvinecompany.com
11501 Jeffrey Road
Irvine, CA 92602

Name of Signer	Signer Title	Document Preparer
Karen Verghese	CONTROLLER	Karen Verghese

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Phone

Mailing Address

,

Assessor Parcel Number (APN)

Number of Employees
30

Facility ID
FA0040775

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Irvine Valencia Growers**
Facility Name **IRVINE VALENCIA GROWERS**
11501 Jeffrey Rd, Irvine 92602

Chemical Location **Fertilizer Yard**

CERS ID **10790038**
Facility ID **FA0040775**
Status **Submitted** on 2/28/2023 2:23 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 5.1 - Oxidizing Substances	**Ammonium nitrate** CAS No 6484-52-2	**Gallons** State Solid Type Pure	**14000** Storage Container Aboveground Tank Days on Site: 35	**7000**	2000 Pressue Temperature	0 Waste Code	- Physical Oxidizer - Health Serious Eye Damage Eye Irritation				
	Potassium Thiosulfate CAS No 10294-66-3	**Gallons** State Liquid Type Mixture	**7000** Storage Container Aboveground Tank Days on Site: 30	**7000**	1000 Pressue Temperature	0 Waste Code		Potassium Thiosulfate water	50% 50%		10294-66-3 7732-18-5

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Irvine Valencia Growers**
Facility Name **IRVINE VALENCIA GROWERS**
11501 Jeffrey Rd, Irvine 92602

Chemical Location **Shop Area**

CERS ID **10790038**
Facility ID **FA0040775**
Status **Submitted** on 2/28/2023 2:23 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Engine Oil** CAS No State: Liquid Type: Mixture Storage Container: Steel Drum Days on Site: 365	**Gallons**	**55**	**55**	35 Pressue: Ambient Temperature: Ambient	55 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3
DOT: 2.1 - Flammable Gases Flammable Gas	**Propane** CAS No 74-98-6 State: Gas Type: Pure Storage Container: Cylinder Days on Site: 365	**Cu. Feet**	**14**	**7**	10 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Simple Asphyxiant				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class II	**Diesel Fuel No. 2** CAS No 68476-34-6 State: Liquid Type: Pure Storage Container: Aboveground Tank Days on Site: 365	**Gallons**	**1000**	**1000**	800 Pressue: Ambient Temperature: Ambient	0 Waste Code	- Physical Flammable - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization - Health Specific Target Organ Toxicity - Health Aspiration Hazard				
DOT: 3 - Flammable and Combustible Liquids Combustible Liquid, Class III-B	**Motor Oil** CAS No State: Liquid Type: Waste Storage Container: Steel Drum, Plastic Bottle or Jug Days on Site: 365	**Gallons**	**150**	**50**	60 Pressue: Ambient Temperature: Ambient	100 Waste Code: 221		VARIOUS LUBRICATING BASE OILS ADDITIVE PACKAGE, INCLUDING ZINC ALKYLDITHIOPHOSPHATE	85% 15% 2%		6474X-XX-X MIXTURE 68649-42-3
	Hydrotreated heavy paraffinic petroleum distillates CAS No 64742-54-7 State: Liquid Type: Pure Storage Container: Steel Drum	**Gallons**	**55**	**55**	45 Pressue: Ambient Temperature: Ambient	50 Waste Code					

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # A1.	CERS ID # A2.	DATE OF PLAN PREPARATION/REVISION (MM/DD/YYYY) A3.
	10172966	01/03/2019

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* A4.
IRVINE VLAENCIA GROWERS

BUSINESS SITE ADDRESS A5.
11501 JEFFREY ROAD

BUSINESS SITE CITY A6.		ZIP CODE A7.
IRVINE	CA	92602

TYPE OF BUSINESS (e.g., Painting Contractor) A8.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A9.
AGRICULTURE	FLEET MAINTENANCE

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING (Check all that apply): A10.

☐ 1. HAZARDOUS MATERIALS; ☐ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR BY (Check all that apply): B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (e.g., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

In the event of an emergency involving hazardous materials and/or hazardous waste, all facilities must IMMEDIATELY:
1. Notify facility personnel and evacuate if necessary in accordance with the Emergency Action Plan (Title 8 California Code of Regulations §3220);
2. Notify local emergency responders by calling 9-1-1;
3. Notify the local Unified Program Agency (UPA) at the phone number below; and
4. Notify the State Warning Center at (800) 852-7550.

Facilities that generate, treat, store or dispose of hazardous waste have additional responsibilities to notify and coordinate with other response agencies. Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator must follow the appropriate requirements for the category of facility and type of release involved:
1. Title 22 California Code of Regulations §66265.56. Emergency Procedures for generators of 1,000 kilograms or more of hazardous waste in any calendar month.
2. Title 22 California Code of Regulations §66265.196. Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems.
3. Title 40 Code of Federal Regulations §302.6. Notification requirements for a release of a hazardous substance equal to or greater than the reportable quantity.
4. Title 22 California Code of Regulations §66262.34(d)(2) and Title 40 Code of Federal Regulations §262.34(d)(5)(ii) for generators of less than 1000 kilograms of hazardous waste in any calendar month.

Following notification and before facility operations are resumed in areas of the facility affected by the incident, the Emergency Coordinator shall notify the local UPA and the local fire department's hazardous materials program, if necessary, that the facility is in compliance with requirements to:
1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA STATE WARNING CENTER (CSWC)/CAL OES	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA)	(714) 433-6000 C1.
	OTHER (Specify): C2.	C3.
NEAREST MEDICAL FACILITY / HOSPITAL NAME: HOAG HOSPITAL	C4.	(949) 764-4624 C5.

AGENCY NOTIFICATION PHONE NUMBERS:		
	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD (RWQCB)	(951) 782-4130 C6.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT. OF FISH AND WILDLIFE (CDFW)	(916) 358-2900
	U.S. COAST GUARD (USCG)	(202) 267-2180
	CAL OSHA	(916) 263-2800
	CAL FIRE OFFICE OF THE STATE FIRE MARSHAL (OSFM)	(916) 323-7390
	OTHER (Specify): C7.	C8.
	OTHER (Specify): C9.	C10.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR BY (Check all that apply): C11

- ☑ 1. VERBAL WARNINGS;
- ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- ☐ 3. TELEPHONE;
- ☐ 4. PAGERS;
- ☐ 5. ALARM SYSTEM;
- ☑ 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY (Check all that apply): C12

- ☑ 1. VERBAL WARNINGS;
- ☐ 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- ☑ 3. TELEPHONE;
- ☐ 4. PAGERS;
- ☐ 5. ALARM SYSTEM;
- ☐ 6. PORTABLE RADIO

EMERGENCY COORDINATOR CONTACT INFORMATION: C13.

PRIMARY EMERGENCY COORDINATOR NAME: JESS RUIZ PHONE NO.: (949) 533-3620 PHONE NO.: (949) 936-8085

ALTERNATE EMERGENCY COORDINATOR NAME: KAREN VERGHESE PHONE NO.: (949) 533-3610 PHONE NO.: (949) 936-8095

☐ Check if additional Emergency Coordinator contact and address information is available onsite or by calling PHONE NO.:

Note: If more than one alternate emergency coordinator is designated, attach a list in order of responsibility.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

Check the applicable boxes to indicate your facility's procedures for containing spills and preventing and mitigating releases, fires and/or explosions. D1.

- ☐ 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- ☐ 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls, built-in berms);
- ☑ 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, spill pigs, spill pillows);
- ☑ 4. COVER OR BLOCK FLOOR AND/OR STORM DRAINS;
- ☐ 5. LINED TRENCH DRAINS AND/OR SUMPS;
- ☐ 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- ☑ 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS;
- ☐ 8. STOP PROCESSES AND/OR OPERATIONS;
- ☐ 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- ☐ 10. SHUT OFF WATER, GAS, ELECTRICAL UTILITIES;
- ☑ 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE AND/OR MEDICAL AID;
- ☑ 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AND/OR IMPACTED AREAS;
- ☑ 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION;
- ☐ 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE EMERGENCY RESPONSE TEAM;
- ☐ 15. REMOVE CONTAINERS AND/OR ISOLATE AREAS;
- ☐ 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- ☑ 17. USE ABSORBENT MATERIAL FOR SPILL CONTAINMENT;
- ☐ 18. VACUUM SUCTION USING APPROPRIATE VACUUM (e.g., Intrinsically safe) FOR SPILL CONTROL AND/OR CLEANUP;
- ☐ 19. DECONTAMINATE PERSONNEL AND EQUIPMENT WITHIN DESIGNATED AREA AND DISPOSE OF WASTEWATER AS HAZARDOUS WASTE;
- ☐ 20. PROVIDE SAFE TEMPORARY STORAGE OF HAZARDOUS WASTE GENERATED DURING EMERGENCY ACTIONS;
- ☐ 21. OTHER (Specify): D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (Check all that apply): E1.

E2.

- ☐ 1. BELLS;
- ☐ 2. HORNS/SIRENS;
- ☑ 3. VERBAL (i.e., Shouting);
- ☐ 4. OTHER (Specify):

THE FOLLOWING LOCATION(S) WILL BE USED FOR AN EMERGENCY ASSEMBLY AREA(S) (e.g., Parking lot, street corner): E3.

The Corner of Jeffrey Road and Portoloa

Note: The Emergency Coordinator must account for all onsite employees and visitors after evacuation.

EVACUATION ROUTE S AND ALTERNATE EVACUATION ROUTES ARE DESCRIBED AS FOLLOWS: E4.

- ☑ 1. WRITTEN PROCEDURES DESCRIBING ROUTES, EXITS, AND ASSEMBLY AREAS;
- ☐ 2. EVACUATION MAP(S) DEPICTING ROUTES, EXITS, AND ASSEMBLY AREAS;
- ☐ 3. OTHER (Specify): E5.

Note: Evacuation procedures and/or maps should be posted in visible facility locations and must be included in the Contingency Plan.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following): F1.

- ☑ 1. HAVE BEEN DETERMINED NOT NECESSARY;
- ☐ 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

Note: Advance arrangements with local fire and police departments, hospitals, state and local emergency response teams, and/or emergency services contractors should be made for your facility, if necessary. Large Quantity Generators must describe arrangements in the Contingency Plan.

G. EMERGENCY EQUIPMENT

Check the applicable boxes to list emergency response equipment available at the facility, identify the location(s) where the equipment is kept, and indicate the equipment's capability, if applicable.

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION G2.	CAPABILITY G3.
EXAMPLE	☒ *CHEMICAL PROTECTIVE GLOVES*	*SPILL RESPONSE KIT*	*SINGLE USE, OIL RESISTANT ONLY*
Safety and First Aid	1. ☐ CHEMICAL PROTECTIVE SUITS, APRONS, AND/OR VESTS		
	2. ☐ CHEMICAL PROTECTIVE GLOVES		
	3. ☐ CHEMICAL PROTECTIVE BOOTS		
	4. ☒ SAFETY GLASSES, GOGGLES, AND FACE SHIELDS		
	5. ☒ HARD HATS		
	6. ☐ AIR-PURIFYING RESPIRATORS		
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)		
	8. ☐ FIRST AID KITS		
	9. ☒ PLUMBED EYEWASH FOUNTAIN AND/OR SHOWER		
	10. ☒ PORTABLE EYEWASH KITS AND/OR STATION		
	11. ☐ OTHER		
Fire Fighting	12. ☒ PORTABLE FIRE EXTINGUISHERS		
	13. ☐ FIXED FIRE SUPPRESSION SYSTEMS AND/OR SPRINKLERS		
	14. ☐ FIRE ALARM BOXES		
	15. ☐ OTHER		
Spill Control and Clean-Up	16. ☒ ALL-IN-ONE SPILL KIT		
	17. ☒ ABSORBENT MATERIAL		
	18. ☐ CONTAINER FOR USED ABSORBENT		
	19. ☐ BERM AND/OR DIKING EQUIPMENT		
	20. ☐ BROOM		
	21. ☐ SHOVEL		
	22. ☐ VACUUM		
	23. ☐ EXHAUST HOOD		
	24. ☐ SUMP AND/OR HOLDING TANK		
	25. ☐ CHEMICAL NEUTRALIZERS		
	26. ☐ GAS CYLINDER LEAK REPAIR KIT		
	27. ☐ SPILL OVERPACK DRUMS		
	28. ☐ OTHER		
Communi-cations and Alarm Systems	29. ☒ TELEPHONES (e.g., Cellular)		
	30. ☐ INTERCOM AND/OR PA SYSTEM		
	31. ☒ PORTABLE RADIOS		
	32. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT		
Other	33. ☐ OTHER		
	34. ☐ OTHER		

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases due to seismic motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS (Check all that apply): H1.

- [x] 1. HAZARDOUS MATERIALS AND/OR WASTE STORAGE AREAS
- [ ] 2. PROCESS LINES AND PIPING
- [ ] 3. LABORATORY
- [ ] 4. WASTE TREATMENT AREA

LOCATIONS (e.g., Shop, outdoor shed, lab): H2.
Shop Area

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS AND/OR EQUIPMENT (Check all that apply): H3.

- [ ] 1. SHELVES, CABINETS AND/OR RACKS
- [ ] 2. TANKS AND SHUT-OFF VALVES
- [ ] 3. PORTABLE GAS CYLINDERS
- [ ] 4. EMERGENCY SHUT-OFF AND/OR UTILITY VALVES
- [ ] 5. SPRINKLER SYSTEMS
- [ ] 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane tank)

LOCATIONS: H4.

I. EMPLOYEE TRAINING

Employee training is required for all employees and/or contractors handling hazardous materials and/or hazardous wastes during normal and/or emergency operations. Most facilities will need to submit a separate Training Plan. However, your CUPA may accept this section as the Training Plan for some small facilities. Employee training plans may include the following content:

- Applicable laws and regulations;
- Emergency response plans and procedures;
- Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Hazards of materials and processes (e.g., fire, explosion, asphyxiation);
- Hazard mitigation, prevention and abatement procedures;
- Coordination of emergency response actions;
- Notification procedures for local emergency responders, CUPA, Cal OES, and onsite personnel;
- Communication and alarm systems;
- Personal protective equipment;
- Use and maintenance of emergency response equipment and supplies (e.g. Fire extinguishers, respirators, spill control materials);
- Decontamination procedures;
- Evacuation procedures and evacuation staging locations;
- Identification of facility areas, equipment, and systems vulnerable to earthquakes and other natural disasters.
- OTHER (Specify):

Check the applicable boxes below to indicate how the employee training program is administered.

- [ ] 1. FORMAL CLASSROOM
- [ ] 2. VIDEOS
- [x] 3. SAFETY MEETINGS
- [ ] 4. STUDY GUIDES / MANUALS
- [ ] 5. OTHER (Specify): I1. I2.
- [ ] 6. NOT APPLICABLE SINCE FACILITY HAS NO EMPLOYEES
- [ ] 7. CHECK IF A SEPARATE EMPLOYEE TRAINING PLAN IS USED AND UPLOADED TO CERS AS A PDF DOCUMENT I3.
- [ ] 8. CHECK IF EMPLOYEE TRAINING IS COVERED BY THE ABOVE REFERENCED CONTENT AND OTHER DOCUMENTS ONSITE I4.

EMPLOYEE TRAINING FREQUENCY AND RECORDKEEPING TRAINING MUST BE:

- Provided initially for new employees as soon as possible following the date of hire. New employees should not work in an unsupervised position that involves hazardous materials handling and/or hazardous waste management without proper training;
- Provided within six months from the date of hire for new employees at a large quantity generator;
- Ongoing and provided at least annually;
- Amended prior to a change in process or work assignment;
- Given upon modification to the Emergency Response/Contingency Plan.

Large Quantity Generator Training: Large quantity generators (1,000 kg or more) must retain written plan and documentation of employee training which includes:

- A written description of the type and amount of both initial and ongoing training that will be given to persons filling each job position having responsibility for hazardous waste management and/or emergency response.
- The name, job title and job description for each position at the facility related to hazardous waste management.
- Current employee training records must be retained until closure of the facility and former employee training records must be retained for at least three years after termination of employment.

Small Quantity Generator Training: Small quantity generators (less than 1,000 kg) must include basic hazardous waste management and emergency response procedures but a written employee training plan and training records are not required. In order to show that the facility has met the small quantity generator employee training requirement, an employee training plan and training records may be made available.

Hazardous Materials Business Plan Training: Businesses must provide initial and annual employee training that includes the content referenced above. The training may be based on the job position and training records must be made available for a period of at least three years.

J. LIST OF ATTACHMENTS

Check one of the following:

- [x] 1. NO ATTACHMENTS ARE REQUIRED; or J1.
- [ ] 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.

IRVINE VALENCIA GROWERS
EMERGENCY ACTION PLAN

This procedure establishes minimum procedures for responding to various emergencies in our facility.

Scope

This procedure applies to all of our company employees, all contractors and vendors performing work on company property, and all other individuals who are visiting or have business with our company.

Responsibilities

Management is responsible for plan development and periodic review of this plan. Management is also responsible for appropriate employee training.

Management and supervisors are responsible for enforcement of this program.

Employees shall comply with all procedures outlined in this policy.

Contractors and vendors shall comply with all procedures outlined in this policy.

Definitions

911 Notification System: Method that is used by our facility to call outside emergency services (police, fire, EMS)

Defensive Action: Response to a chemical spill or release that does not require personal protective equipment or hazardous material response training. Examples are: closing an open valve, placing absorbent material in front of a running spill or closing a door.

Emergency: An unplanned event that could jeopardize the safety of people or property in our facility. An emergency can originate on our site or off-site: either can impact the people and property within our facility.

Emergency Coordinator: A staff member who is responsible for decision making during the initial phase of an emergency (generally this stage is defined by: discovery, activating the alarm, evacuation, employee accounting, initial response by off-site emergency services, etc.) An Emergency Coordinator will be assigned whenever the facility is operating.

Evacuation Location: The location that employees, visitors and contractors report to following an evacuation.

Procedure

Overview

All actions taken during an emergency will serve to protect the life and safety of employees, contractors, visitors and our facility neighbors. To the extent possible, we will minimize damage to property and the environment. Our emergency response activity will never knowingly jeopardize the safety of any individual.

Accounting for Personnel

Employee crew sheets will be used for personnel accounting following an emergency. Supervisors or designees will be responsible for using the roster sheets to accomplish a head count immediately following the event.

Individuals who have disabilities that may impair their ability to evacuate will be encouraged to discuss the issue with Human Resources or another member of management. Necessary arrangements will be made confidentially to assist with evacuation.

Emergency Alarm System and Emergency Services Notification

In the event of an emergency the following methods can be used to communicate:

- Hand held ranch radios to those who have them and then using the following two methods
- Word of mouth
- Air horn

911 Notification System: Outside emergency services (police, fire, EMS) will be contacted as follows: A Supervisor or Security personnel with a cell phone will contact 911 and will stay on the line with them to give clear instructions to the location on the ranch that emergency personnel need to go to.

Fire Emergency

Employees discovering a fire will take the following action:

1. Alert others in the area who are at risk and notify a member of management who will initiate the 911 Notification System
2. Initiate the fire alarm procedure which would include air horn or word of mouth as needed.
3. Turn off involved equipment
4. Consider using a fire extinguisher, *if trained and authorized to do so*
5. Direct employees and others to a safe area away from the fire or leave the area.

Upon being alerted of a fire evacuation, all employees will:

1. Turn off equipment (if safe to do so)
2. Walk in an orderly and quiet manner to the area to go to or enter their vehicles and drive out to the nearest gate as instructed by their supervisor.
3. Do not delay evacuation or re-enter hazardous areas to retrieve personal possessions such as keys, coats purses, or lunches
4. Report to designated fire Evacuation Location as instructed by your supervisor for head count. Stay together with their assigned group until further instructions are given
5. The facility or area will not be reoccupied until approved by the fire department

Note: A supervisor, foreman or lead person will be the last to leave the evacuated area to insure that all personnel are accounted for. Supervisor will check portable toilets and other areas to make sure all employees are out of the area.

Medical Emergency

In the event of a medical emergency the following actions will be taken:

1. Notify a member of management who will initiate the 911 Notification System Evaluate scene safety-if there is any concern all personnel should stay at a safe distance
2. Do not move the ill/injured person (unless s/he is in danger from their surroundings)
3. Avoid all contact with blood and other bodily fluids (never attempt to provide first aid unless you are trained and equipped to do so)
4. A calm employee may stay with the ill/injured person to provide comfort
5. The supervisor will assign at least two employees to wait for the EMS responders closest entrance to the field area and to give them directions to the injured employee.
6. All uninvolved personnel should clear the area
7. If there has been any blood or bodily fluid release, trained personnel will clean and sanitize the area after the emergency phase has concluded

Severe Weather

In the event of severe weather, all employees will be notified by word of mouth or via air horn to take shelter or precautions.

1. Turn off equipment (if safe to do so) and if applicable.
2. Follow the instructions of the supervisor for where to go for your safety.
3. A head count will be conducted to account for all personnel
4. When the severe weather warning expires employees will be instructed that it is safe to resume working.

Note: A supervisor, foreman or lead person will be the last to leave the evacuated area to insure that all personnel are accounted for. Supervisor will check portable toilets and other areas to make sure all employees are out of the area.

Hazardous Chemical Spill or Release

Hazardous chemical spills or releases can be recognized visually by seeing evidence of a chemical escaping from its' normal containment or by detecting an unusual odor. If a chemical spill is suspected all personnel will do the following:

1. Alert others in the area who are at risk and notify a member of management who will initiate the 911 Notification System if necessary.
2. Turn off equipment (if safe to do so)
3. Leave the area of the spill and move to an area that is not affected by the spill.
4. A supervisor will contact the appropriate personnel via ranch radio to obtain trained personnel to assist in the clean up of spill.

No employee will take any action other than defensive actions to attempt to control a hazardous chemical spill or release unless s/he has been trained and equipped to respond.

Electrical Utility Failure

In the event of an electrical failure the following procedure will be followed:

1. If the failure is in a partial area of the facility notify a supervisor or member of management
2. Turn off equipment using normal controls
3. Expect sudden equipment restart-stay away from the point of operation and other moving surfaces
4. Do not attempt to move around dark areas-supervisors will use flashlights to guide employees to a safe area to wait for power restoration
5. After power is restored follow supervisor's directions for equipment restart

Workplace Violence

Workplace violence will be handled as follows:

1. Any employee who witnesses a violent act, threat of violence or is otherwise concerned should report it to a member of management
2. If immediate action is necessary, s/he will:
   - advise personnel most at risk to take shelter behind closed doors or to evacuate to other areas of the facility
   - contact emergency services or delegate another person to do so
   - notify a member of management who will evaluate the situation, meet the police, expand the evacuation if needed and coordinate a head count
3. If immediate action is not deemed necessary, the member of management will notify upper management about the incident. Upper management will investigate the incident and determine if any other follow up is necessary.

Emergency Duties

Supervisors

1. Assist with responding to all emergencies and communicate emergency instructions to employees
2. Communicate facts surrounding an emergency occurring in their area to the Emergency Coordinator
3. Develop plans to assist employees with disabilities to evacuate safely
4. Verify all employees are evacuated before leaving
5. Perform the head count procedure to account for all employees and communicate missing personnel to management.
6. Be the initial contact and coordinator for incidents involving workplace violence

Critical Operations Duties

Employees who are required to remain behind during evacuation, or who are assigned special response duties, will be fully trained and equipped to ensure their safety and readiness.

Training

At a minimum, training will be conducted:
-Upon hire
-When this plan changes
-When employee duties change
- Annually with all personnel

Training will consist of:

1. Methods of alerting employees of an emergency
2. Employee duties upon discovering an emergency
3. Evacuation routes and Evacuation Locations
4. Procedures to be followed upon notification of emergency
5. Special Critical Operations duties assigned to employees

Revision History Record:

Revision Number	Section	Revised By	Description
0	NA	NA	Original document.

Appendix A

Appendix B

Important Things For You to Remember ...

Emergencies in the Workplace

REMEMBER YOUR RESPONSIBILITY IN EMERGENCY SITUATIONS:

- ✓ FOLLOW YOUR TRAINING
- ✓ REACT CALMLY AND QUICKLY
- ✓ DON'T BE A HERO

IF YOU DISCOVER A FIRE

- Alert others at risk
- Notify a manager
- Activate the alarm system
- Turn off involved equipment
- Evacuate

FIRE ALARM

- Turn off equipment
- Take the closest safe exit
- Go to the evacuation location
- Stay with your group
- Do not re-enter building

MEDICAL EMERGENCY

- Alert a manager
- Follow procedure for Fire Alarm

SEVERE WEATHER

- Turn off equipment
- Report to evacuation location

HAZARDOUS CHEMICAL SPILL

- Report to a manager
- Follow procedure for Fire Alarm

WORKPLACE VIOLENCE

- Report concerns to a manager
- Remove yourself from the area
- Follow management directions

INSPECTION REPORT

County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0044713

SUCHY TRENCHING
11501 JEFFREY RD
IRVINE, CA 92602

Record ID: FA0039387
Inspection Date: 07/02/2015
Reinspection Date:

Type of Facility: 5110-HAZARDOUS WASTE SPECIAL GENERATOR
Service: A01-**ROUTINE INSPECTION**
Lisa Wales, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 559-0101
7:00-8:00 AM
LWales@ochca.com

Mailing Address:
SUCHY TRENCHING INC
3423 E CHAPMAN AVE STE D
ORANGE, CA 92859

On site for a routing hazardous waste inspection. Inspection was conducted with Thomas.

Facility generates used oil and used oil filters.

Containers of hazardous waste are stored closed and properly labeled.

Receipts are available for review. Facility is currently assigned and using EPA ID # CAL000183770.

Emergency response information is posted near the office.

I declare that I have examined and received a copy of this inspection report.

COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Print Name and Title _____

Signature _____ Date _____

INSPECTION REPORT
County of Orange, Health Care Agency, Environmental Health
1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
(714) 433-6000
ochealthinfo.com/eh

PR0044764

STICE COMPANY INC
10851 JEFFREY RD
IRVINE, CA 92602

Record ID: FA0039431
Inspection Date: 01/08/2016
Reinspection Date: 02/07/2016

Type of Facility: 5111-HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES
Service: A01-**ROUTINE INSPECTION**

Mailing Address:
STICE COMPANY INC
10851 JEFFERY RD
IRVINE, CA 92602

Lisa Wales, REHS
HAZARDOUS WASTE SPECIALIST III
(714) 559-0101
7:00-8:00 AM
LWales@ochca.com

THE ITEMS NOTED BELOW WERE OBSERVED DURING COURSE OF THE SITE VISIT. ANY VIOLATIONS OBSERVED MUST BE CORRECTED

Used oil filters have not been picked up within the last year. Drums containing used oil and gasoline filters were observed on site. Have the filters picked up and send a copy of the receipt to this agency within 30 days.

On site for a routine hazardous waste inspection. Permission to conduct inspection was granted by John Stice.

Facility generates the following hazardous wastes: waste oil, used absorbent and drained used oil filters.

Containers of hazardous waste were stored closed and properly labeled. Containers appeared to be in good condition.

Manifests were available for review. Facility is assigned and using active EPA ID number CAL000248806. Drained used oil filters have not been hauled within the previous year (see violation). Storage accumulation time for used oil/gasoline filters may not exceed one year from the first date of accumulation. Have the filters removed and send a copy of the manifest/receipt to this Agency within 30 days.

Emergency information is available. Inspected perimeter of facility and found no evidence of hazardous waste runoff.

I declare that I have examined and received a copy of this inspection report

Print Name and Title COPY MAILED TO OWNER AND/OR FACILITY OPERATOR

Signature _____ Date _____

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

SCAN
PR#:
Site Address:

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Facility Address		Facility ID	Record ID
SUCHY TRENCHING	**11501 JEFFREY RD IRVINE, 92602**		**FA0039387**	**PR0044713**
Owner/Operator	Facility Phone No.	Email Address	CERS ID	EPA ID
SUCHY TRENCHING INC	**(714) 633-2733**	**strenching@aol.com**	**10548514**	**N/A**
Inspector Name:	Inspection Date	Purpose of Inspection	Type of Operation	
SUMMER HANSEN-ROOKS	**03/06/2018**	**ROUTINE INSPECTION**	**N/A**	
Program Description	UNITS	P/E		
HAZARDOUS WASTE SPECIAL GENERATOR		**5110**		

Consent to enter, inspect, and take photos of the facility was given by:

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply; and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status					Viol No.	Summary
IN	OUT	NA	UD	COS		**Recordkeeping/ Documentation**
■	□	□	□	□	I352	The facility has an active EPA ID number (unless exempted HSC 25143.13)
						Manifest
□	□	■	□	□	I475	Owner/Operator properly prepared manifests for transportation of hazardous waste
■	□	□	□	□	I474	Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years
□	□	■	□	□	I376	Owner/Operator sent generator manifest copies to DTSC within 30 days
■	□	□	□	□	I479	Owner/Operator follows all Consolidated manifest procedures
						Waste Determination
□	□	■	□	□	I325	Owner/Operator determined whether waste is a hazardous waste and retained waste analysis for 3 years
□	□	■	□	□	I637	Generator made a determination if the waste is restricted from land disposal
						Reporting
□	□	■	□	□	I723	Generator provided required information for recyclable material to claim the exclusion/exemption
						Accumulation Time Limits
■	□	□	□	□	I400	Generator properly labeled all containers or tanks containing hazardous waste as required
■	□	□	□	□	I053	Generator did not store hazardous waste onsite for greater than 180 days
□	□	■	□	□	I328	Generator disposed of hazardous waste after 100 Kg threshold amount was accumulated within 90 days
						Container Management
■	□	□	□	□	I720	Generator has accumulated all hazardous waste in a containers that are in good condition

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	11501 JEFFREY RD	IRVINE/CA	92602	03/06/2018

Violation Status	Viol No.	Summary	
☐ ☐ ■ ☐ ☐	I277	UWH manages aerosol cans to prevent fire, explosion, and the unauthorized release of waste	
☐ ☐ ■ ☐ ☐	I465	UWH transfers all universal waste to the appropriate designation facility	
☐ ☐ ■ ☐ ☐	I181	UWH properly processed accumulated waste within one year and/or demonstrated accumulation time	
Electronic Devices/CRT			
☐ ☐ ■ ☐ ☐	I500	UHW of devices/CRTs/CRT glass that does't treat waste, submitted to DTSC all required information	

Overall Inspection Comments:

Observed the following hazardous wastes:
- Waste oil, (2) 55 gallon drums
- Used oil filters, (1) 55 gallon drum

Walked through the facility and the perimeter.
Checked trash cans inside the building.

The Emergency Response Plan is posted on the wall outside of the office.

No violations were noted. The ORANGE COUNTY HEALTH CARE AGENCY greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

Violations Observed

Signatures

Received By:

Printed Name: **Thomas Ceballos**
Title: **Foreman**

Issued By:

Printed Name: **SUMMER HANSEN-ROOKS**
Title: **HAZARDOUS MATERIALS SPECIALIST I**
Date: **03/06/2018**
Phone: **(714) 559-1294**
Email: **SHansenRooks@ochca.com**

Hazardous Waste Stream

1/8/2018 @ 18:34 v 2.5

7:30 AM

PR0044713 **SUCHY TRENCHING** Owner Name: SUCHY TRENCHING INC EPA ID: CAL000183770 ✓ active

FA0039387 11501 JEFFREY RD , IRVINE 92602 # of Employees: 4 PE: 5110 Thomas Guide: None

Contact(s): MARK SUCHY (949)653-2069 – check # 7/2/2018 (01)
BOB SUCHY (714)633-2733 – Irene office mgr (copies manifests)
Email: strenching@aol.com

Waste ID	Specific Waste	Location	Max Vol Stored	Units	Form	How Stored	Annual Volume Generated	Annual Volume Disposed	How Disposed	Hauler Code
WASTE (OR SLOP) OIL (T)	USED ENGINE , HYDRAULIC GEAR OIL	OUTSIDE GARAGE	~~200~~ 110	GALLONS	LIQUID	DRUM >= 55G-METAL	~~220~~ 125	~~220~~ 125	RECYCLED OFF-SITE	STONE, JACK DRAINAGE OIL *O
WASTE (OR SLOP) OIL (T)	USED FILTERS	OUTSIDE GARAGE	~~100~~ 250	ITEMS	FILTERS	DRUM >= 55G-METAL	~~100~~ 250	~~100~~ 250	RECYCLED OFF-SITE	STONE, JACK DRAINAGE OIL *O

Safety Kleen

Process:
METAL BLDG BEHIND 11161 JEFFREY AT THE END OF THE ROAD; NOT REGULARLY STAFFED-CALL FIRST

of Waste Streams: 2

---

past portola strawberry fields past
Sandbag – rt. – road to back
road Am. Asphalt

Thomas Ceballos

used oil
2/1/18 50 gal
5/2/17 75 gal
filters
1/31/18 1 drum

Safety-Kleen Systems

2 55 gal used oil drums

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HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	11501 JEFFREY RD	IRVINE/CA	92602	03/06/2018

Violation Status	Viol No.	Summary	
■ □ □ □ □	I314	Generator had no hazardous waste stored in unlined or incompatible containers	
■ □ □ □ □	I617	All containers of hazardous waste were closed except when adding or removing waste	
■ □ □ □ □	I364	Generator inspects all hazardous waste containers at least weekly	
■ □ □ □ □	I452	Generator has all reactive and ignitable waste at least 50 ft from the property line	
□ □ ■ □ □	I118	Generator manages incompatible waste in containers properly as required in Title 22	
		Tank Management	
□ □ ■ □ □	I693	Generator conducts daily inspections of the discharge systems, monitoring equipment, and tank levels	
□ □ ■ □ □	I623	Generator conducts weekly inspections of the construction materials, fixtures, and surrounding areas	
□ □ ■ □ □	I098	Generator maintains 2 ft of freeboard unless the tank is equipped with addtional containment	
		Recyclable Hazardous Wastes	
□ □ ■ □ □	I608	Generator meets hazardous waste requirements for handling/storing/transporting lead acid batteries	
□ □ ■ □ □	I059	Generator follows all spent lead-acid battery storage requirements	
□ □ ■ □ □	I462	Generator meets all the requirements for claimed excluded recyclable materials	
		Disposal	
■ □ □ □ □	I476	Generator used a registered hazardous waste hauler to transport all hazardous waste	
■ □ □ □ □	I585	Generator has properly disposed of all hazardous waste at an authorized location	
		Site Safety	
■ □ □ □ □	I310	Generator maintains at the facility the required emergency equipment or equivalents	
		>5000 Kg	
□ □ ■ □ □	I012	UWH notified the EPA and obtained a federal ID number prior to storing 5,000 kg	
□ □ ■ □ □	I729	UWH obtained an EPA ID number from DTSC prior to storing 5,000 kg of non-RCRA Universal Waste	
		UW Management	
□ □ ■ □ □	I135	UWH labeled all universal waste and identified type of universal waste	

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SCAN
PR#:
Site Address:
City:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Facility Address		Facility ID	Record ID
SUCHY TRENCHING	11501 JEFFREY RD IRVINE, 92602		FA0039387	PR0102780
Owner/Operator	Facility Phone No.	Email Address	CERS ID	EPA ID
SUCHY TRENCHING INC	(714) 633-2733	strenching@aol.com	10548514	N/A
Inspector Name:	Inspection Date	Purpose of Inspection	Type of Operation	
SUMMER HANSEN-ROOKS	03/06/2018	ROUTINE INSPECTION	N/A	
Program Description		UNITS	P/E	
HAZ MAT DISCLOSURE 1-4 CHEMICALS			5801	

Consent to enter, inspect, and take photos of the facility was given by:

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply; and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status					Viol No.	Summary	
IN	OUT	NA	UD	COS		**Business Plan**	
■	□	□	□	□	I208	Established and adequately implemented a business plan	
■	□	□	□	□	I292	Adequate completion and electronic submission of a business plan	
□	□	□	■	□	I381	Facility on leased site notified property owner of HMBP and if requested provided copy within 5 days	
□	■	□	□	□	I169	Adequate completion and electronic submission of hazardous materials inventory information	COMPLY BY: 4/5/2018

Inspector Comments:

The facility has not updated the Hazardous Materials Inventory Chemical Description page for motor oil and used motor oil in the California Environmental Reporting System (CERS).
CORRECTIVE ACTION: Update and submit the Hazardous Materials Inventory Chemical Description page for the materials listed above electronically in the CERS. See review comments in CERS.

IN	OUT	NA	UD	COS			
■	□	□	□	□	I368	Adequate completion and electronic submission of Owner/Operator and Business Activities Forms	
■	□	□	□	□	I632	Adequate completion and electronic submission of annotated Site Map with all required content	
■	□	□	□	□	I736	Adequate completion and electronic submission of Emergency Response Plan and procedures	
IN	OUT	NA	UD	COS		**Annual Certification/ Updates**	
■	□	□	□	□	I463	Annually reviewed and electronically certified that HMBP is complete, accurate and up-to-date	
□	■	□	□	□	I336	HMBP updated within 30 days: chemical inventory, change of address, ownership, or business name	COMPLY BY: 4/5/2018

Inspector Comments:

The business plan has not been updated and submitted to this department to reflect the changes in the chemical inventory. Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).

IN	OUT	NA	UD	COS			
						Training	

ORANGE COUNTY HEALTH CARE AGENCY
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HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	11501 JEFFREY RD	IRVINE/CA	92602	03/06/2018

Violation Status					Viol No.	Summary	
IN	OUT	NA	UD	COS		**Training**	
■	□	□	□	□	I551	Training program submitted and adequate for the size of the business and materials handled	
□	■	□	□	□	I239	Initial and annual employee training completed, documented and records made available for 3 years	COMPLY BY: 4/5/2018

Inspector Comments:

Annual training documentation for all applicable employees was not available for review.
If maintained elsewhere, please submit documentation to the Orange County Health Care Agency, Department of Environmental Health inspector, demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan.

IN	OUT	NA	UD	COS		**Notification**	
□	□	■	□	□	I311	Actual or threatened release reported to the CUPA and the California OES Warning Center	
□	□	□	■	□	I002	Notified property owner in writing that business is subject to HMBP program and has complied	
IN	OUT	NA	UD	COS		**Agricultural Handlers**	
□	□	■	□	□	I759	Agricultural handler exemption requirements are met when not submitting an emergency response plan	
□	□	■	□	□	I760	Agricultural handler exemption requirements are met when not submitting a training program	
IN	OUT	NA	UD	COS		**Remote Unstaffed Facility**	
□	□	■	□	□	I758	Remote unstaffed facility exemption requirements are met when not submitting a business plan	

Overall Inspection Comments:

Observed the following hazardous materials:
- Waste oil, (2) 55 gallon drums

Walked through the facility and checked trash cans inside the building.

Explained what the Hazardous Materials Business Plan Program is about and what is required.
Reviewed the Emergency Response/Contingency Plan and Training requirements with Mr. Ceballos.

ATTENTION: There are 3 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH, 1241 EAST DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611
Phone: (714) 433-6000 Fax: (714) 433-6417

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	City/State	Zip Code	Inspection Date
SUCHY TRENCHING	**11501 JEFFREY RD**	**IRVINE/CA**	**92602**	**03/06/2018**

Violations Observed

I336 - Failure to electronically update the Hazardous Materials Business Plan (HMBP) information within 30 days of: (a) A 100 percent or more increase in the quantity of a previously disclosed material. (b) Any handling of a previously undisclosed hazardous material (c) Change of business address. (d) Change of business ownership. (e) Change of business name. HSC 6.95 25508.1(a)-(e)

I239 - Failure to (1) provide initial training and annual training, including refresher courses, to all employees in safety procedures in the event of a release or threatened release of a hazardous material, including, but not limited to, the Emergency Response Plan, and (2) document electronically or by hard copy and make available for a minimum of three years. HSC 6.95 25505(a)(4)

I169 - Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site. HSC 6.95 25506, 25505(a)(1), 25508(a)(1)

Signatures

Received By:

Printed Name: **Thomas Ceballos**
Title: **Foreman**

Issued By:

Printed Name: **SUMMER HANSEN-ROOKS**
Title: **HAZARDOUS MATERIALS SPECIALIST I**
Date: **03/06/2018**
Phone: **(714) 559-1294**
Email: **SHansenRooks@ochca.com**

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC	FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 CAL000287752	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALICIA SAGAL	
FACILITY ID FA0039443	RELATED ID PR0044776	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2018
PROGRAM DESCRIPTION 5112 - HAZARDOUS WASTE GENERATOR 11-25 EMPLOYEE			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Kevin Kirchner, Vice President

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I617	Containers of hazardous waste closed except when adding or removing waste Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak. 22 CCR 12 66262.34(a)(1); 22 CCR 15 66265.173	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

OBSERVATION: The cube containing the waste oil was observed to be open while in storage. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: The containers were immediately closed. This violation was corrected on-site. No further corrective action required.

Container Management

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I400	Labeled all containers or portable tanks containing hazardous waste Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f)	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

1. OBSERVATION: Labels were missing on all waste oil and waste antifreeze containers. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: New labels were provided and placed on all waste drums. This violation was corrected on-site. No further corrective action required.

2. OBSERVATION: The 55-gallon drum of used oil filters was missing a label. All used oil and fuel filters containers shall be marked with the following information: 1) the words "Drained Used Oil and Fuel Filters" and 2) accumulations start date. CORRECTIVE ACTION: New labels were provided and placed on the drums. This violation was corrected on-site. No further corrective action required.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	11159 JEFFREY RD, IRVINE, CA 92602	10548574	10/25/2018

Violation Status	Viol No.	Summary	Violation Degree

Overall Inspection Comments:

Walked throughout the facility. Observed hazardous waste storage areas.

Manifests were available and reviewed.

Employees are reported to be trained.

Emergency plan on site.

No hazardous waste or universal waste observed in the dumpster/enclosure area.

ATTENTION: There are 2 items marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALLISON MOK	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2018
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

On site for an aboveground petroleum storage tank (APST) inspection.

Facility is regulated under the Aboveground Petroleum Storage Act (APSA). Facility has between 1,320 and 9,999 gallons of regulated petroleum products.

Facility has the following tanks on-site, totaling 6630 gal:
1 x 5600-gallon AST of diesel (split red/clear)
1 x 500-gal AST of gasoline
2 x 55-gallon drums of motor oil
1 x 55-gal drum of hydraulic oil
1 x 55-gallon drum of waste antifreeze
3 x 55-gal AST of used oil
1 x 200-gal trailer of diesel (parked in containment area)

Facility has the following:
1) On site SPCC prepared and implemented. The SPCC plan was created on 6/23/2010 and recertified on 9/1/2015. This document must be recertified every 5 years.
2) Written training records
3) Appropriate secondary containment or diversionary structures
4) Inspection checklists for monthly inspection. SPCC plan states monthly inspection. Observed last inspection dated 10/1/2018.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	**10548574**	**10/25/2018**

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

A MOK
HAZARDOUS MATERIALS SPECIALIST I
(714) 720-1945
amok@ochca.com

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME: IRVINE VALENCIA GROWERS	FACILITY ADDRESS: 11501 JEFFREY RD, IRVINE, CA 92602
MAILING ADDRESS: 11501 JEFFREY RD, IRVINE CA 92618	CERS ID: N/A EPA ID: CAL000317787
C/O - OWNER: IRVINE VALENCIA GROWERS	INSPECTOR: ALICIA SAGAL
FACILITY ID: FA0040775 RELATED ID: PR0057719 SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE: 10/25/2018
PROGRAM DESCRIPTION: 5112 - HAZARDOUS WASTE GENERATOR 11-25 EMPLOYEE	REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: Joe Magdelano, Mechanic

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
☐ ■ ☐ ☐ ■	I053	Generator did not store hazardous waste onsite for greater than 180 days Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month. 22 CCR 12 66262.34(d)	CUPA - MINOR VIOLATION COS: 10/25/2018

Inspector Comments:

OBSERVATION: The manifests for waste oil and waste antifreeze, indicate that the waste has been stored on site for more than 180 days. Facilities who generate less than 1000 kg of hazardous waste per month and do not exceed 6000 kg of waste stored on site at any time may store waste on site up to 180 days. CORRECTIVE ACTION: The facility had waste oil and waste antifreeze hauled off-site on 9-18-18. Accumulation time limits were discussed with Joe Magdaleno. This violation was corrected on site. No further action required.

Overall Inspection Comments:

Walked throughout the facility. Observed hazardous waste storage areas. Containers were closed and properly labeled.

Manifests were available and reviewed.

Employees are reported to be trained.

Emergency plan was updated and posted in the maintenance yard office.

No hazardous waste or universal waste observed in the dumpster/enclosure area.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

Facility Name	SITE ADDRESS	CERS ID	INSPECTION DATE
IRVINE VALENCIA GROWERS	11501 JEFFREY RD, IRVINE, CA 92602		10/25/2018

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

REGULATORY/MEDICAL HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC	FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR ALICIA SAGAL	
FACILITY ID FA0039443	RELATED ID PR0103382	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 11/13/2018
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

The following documents were received on November 9, 2018 and ACCEPTED on CERS:
- Hazardous Materials Inventory
- Site Map

Violations I169 and I632 cited on10/25/18 have been corrected. No further corrective action required.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME SUCHY TRENCHING	FACILITY ADDRESS 11501 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 3423 E CHAPMAN AVE STE D, ORANGE CA 92859		CERS ID / EPA ID 10548514 N/A	
C/O - OWNER SUCHY TRENCHING INC		INSPECTOR LISA WALES	
FACILITY ID FA0039387	RELATED ID PR0102780	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2021
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous materials inspection. Business has disclosed 1 waste material - used oil. There were no other materials observed on site meeting minimum disclosure thresholds. New oil is maintained below the 55-gallon reporting threshold. Business has conducted annual emergency plan training.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME STICE COMPANY INC		FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 CAL000248806	
C/O - OWNER STICE COMPANY INC		INSPECTOR LISA WALES	
FACILITY ID FA0039431	RELATED ID PR0044764	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous waste inspection with Jeff Stice. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID 10548574	EPA ID CAL000287752
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0044776	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5111 - HAZARDOUS WASTE GENERATOR UNDER 11 EMPLOYEES			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

Overall Inspection Comments:

On site for a routine hazardous waste inspection with Kevin Kirchner. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
Facility Description/Storage/Diagram			
☐ ■ ☐ ☐ ☐	I011	SPCC Plan addresses the type of oil and storage capacity for all fixed and portable containers Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities. HSC 6.67 25270.4.5(a); 40 CFR 1 112.7(a)(3)(i)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Add the 55 gallons of hydraulic oil to your SPCC plan and send verification via new tank facility page or complete SPCC plan to this Agency within 30 days.

Overall Inspection Comments:

On site for a routine aboveground storage tank inspection. Business' SPCC is on site and was reviewed on 11/8/2018. A review of the plan shows that the 55 gallons of hydraulic oil is missing from the tank facility information. Add the hydraulic oil to you SPCC plan and review to be sure that the plan covers the additional material. Either forward a copy of the new tank facility statement page and review date or forward a copy of your entire plan within 30 days.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	10548574	11/08/2021

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
Uncorrected violations may lead to follow-up actions, which may incur additional fees. The purpose of these fees is to shift costs away from compliant operators and impose fees on those facilities that fail to readily comply with the applicable laws and regulations. The amount of the fee is to cover all of the cost associated with the service. For the most current fees, please refer to http://ochealthinfo.com/eh/home/fees or call (714) 433-6000.

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC	FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602	CERS ID 10548574	EPA ID N/A	
C/O - OWNER NAKAE & ASSOCIATES INC	INSPECTOR LISA WALES		
FACILITY ID FA0039443	RELATED ID PR0103382	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 11/8/2021
PROGRAM DESCRIPTION 5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS		REINSPECTION DATE: NEXT ROUTINE	

Consent to enter, inspect, and take photos of the facility was given by: None on File

The following items have been inspected. If there were violations, this document constitutes a Summary of Violations and Notice to Comply and the Violation Degree column is marked Minor, Class I, or Class II. A violation that is corrected at the time of inspection is marked COS. Failure to correct the listed violation(s) prior to the designated compliance date may necessitate a reinspection at an additional fee.

IN = IN COMPLIANCE OUT = OUT OF COMPLIANCE NA = NOT APPLICABLE UD = UNDETERMINED COS = CORRECTED ON SITE

Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Inventory**	
☐ ■ ☐ ☐ ☐	I169	Complete Hazardous Materials Inventory information electronically submitted Failure to electronically submit complete and accurate hazardous material inventory forms information for all reportable hazardous materials on site at or above quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Kevin Kirchner. Business has disclosed 8 materials. While on site, it was observed that business also stores brake cleaner at 55 gallons. Please add this material to your chemical inventory and resubmit to CERS within 30 days.

ATTENTION: There is 1 item marked above in violation. To verify compliance, a reinspection may occur at any time after the indicated correction date for each violation. Non-compliance could result in reinspection fees, permit revocation, and/or administrative, civil, or criminal penalties. Any time granted for correction of the violation(s) does not preclude enforcement action by the Orange County Environmental Health Division or any other agencies.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
NAKAE & ASSOCIATES INC	**11159 JEFFREY RD, IRVINE, CA 92602**	10548574	11/08/2021

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

ADDITIONAL FEES:
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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME: STICE COMPANY INC		FACILITY ADDRESS: 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS: 10851 JEFFERY RD, IRVINE CA 92602		CERS ID: 10548562	EPA ID: N/A
C/O - OWNER: STICE COMPANY INC		INSPECTOR: LISA WALES	
FACILITY ID: FA0039431	RELATED ID: PR0104557	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE: 11/8/2021
PROGRAM DESCRIPTION: 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Violation Status	Viol No.	Summary	Violation Degree
IN OUT NA UD COS		**Inventory**	
☐ ■ ☐ ☐ ☐	I169	Complete Hazardous Materials Inventory information electronically submitted Failure to electronically submit complete and accurate hazardous material inventory forms information for all reportable hazardous materials on site at or above quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1), 25508(a)(3)	**CUPA - CLASS II VIOLATION** **COMPLY BY: 12/9/2021**

Inspector Comments:

Business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.

Overall Inspection Comments:

On site for a routine hazardous materials inspection with Jeff Stice. Business has disclosed 5 materials. While on site it was observed that business also stores propane above the reporting threshold of 200cf (4 cylinders). Please add the propane to your disclosure and resubmit your inventory on CERS within 30 days.

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SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

Facility Name	Site Address	CERS ID	INSPECTION DATE
STICE COMPANY INC	**10851 JEFFREY RD, IRVINE, CA 92602**	10548562	11/08/2021

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

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PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

ABOVE GROUND PETROLEUM STORAGE TANK INSPECTION REPORT

FACILITY NAME NAKAE & ASSOCIATES INC		FACILITY ADDRESS 11159 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 11159 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548574 N/A	
C/O - OWNER NAKAE & ASSOCIATES INC		INSPECTOR LISA WALES	
FACILITY ID FA0039443	RELATED ID PR0061039	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 11/17/2021
PROGRAM DESCRIPTION 7112 - ABOVE GROUND STORAGE TANK 1320 - 9999 GAL			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Received and reviewed updated tank facility page and reviewed changes to SPCC plan. All materials have been reported and violation I011 is abated. CERS submittal has been reviewed and accepted - business has updated the total petroleum storage information and SPCC plan date.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME	FACILITY ADDRESS		
NAKAE & ASSOCIATES INC	11159 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS		CERS ID / EPA ID	
11159 JEFFERY RD, IRVINE CA 92602		10548574 N/A	
C/O - OWNER		INSPECTOR	
NAKAE & ASSOCIATES INC		LISA WALES	
FACILITY ID / RELATED ID / SERVICE:			INSPECTION DATE
FA0039443 / PR0103382 / F04 - REINSPECTION - OFF-SITE			11/17/2021
PROGRAM DESCRIPTION			REINSPECTION DATE:
5802 - HAZ MAT DISCLOSURE 5-10 CHEMICALS			NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

REviewed and accepted HMBP submittal. Business has added missing brake cleaner to the submittal. Violation I169 is abated.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

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INSPECTOR:

L WALES, REHS
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(714) 559-0101
LWales@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC		FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602	
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 1/19/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Outstanding violation: I169 - On 11/8/21 this agency conducted an inspection at this facility and identified 4 cylinders of propane stored above the reporting threshold. Add the propane to the inventory in the CERS portal and resubmit please.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC	FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 3/7/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

OPENING COMMENTS

Outstanding violation: I169 - Propane cylinders were identified by this agency during an inspection. Add propane to the chemical inventory in CERS. Correct the violation immediately.

VIOLATIONS OBSERVED

I463 - Business plan reviewed and electronically certified as complete/accurate on or before the due date Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508.2

The annual electronic CERS submittal was due on 3/1/22. Login to CERS and complete the submittal within 30 days.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS MATERIAL RELEASE RESPONSE PLAN (HMRRP) INSPECTION REPORT

FACILITY NAME STICE COMPANY INC	FACILITY ADDRESS 10851 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 10851 JEFFERY RD, IRVINE CA 92602		CERS ID / EPA ID 10548562 N/A	
C/O - OWNER STICE COMPANY INC		INSPECTOR JEFF NOFAL	
FACILITY ID FA0039431	RELATED ID PR0104557	SERVICE: F04 - REINSPECTION - OFF-SITE	INSPECTION DATE 3/8/2022
PROGRAM DESCRIPTION 5801 - HAZ MAT DISCLOSURE 1-4 CHEMICALS			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

VIOLATIONS OBSERVED

I463 - Business plan reviewed and electronically certified as complete/accurate on or before the due date Failure to annually review and electronically submit the business plan on or before the required due date and certify that it is complete, accurate, and in compliance with EPCRA. HSC 6.95 25508.2
The annual electronic CERS submittal was due on 3/1/22. Login to CERS and complete the submittal within 30 days.

Outstanding violation: I169 - Propane cylinders were identified by this agency during an inspection. Add propane to the chemical inventory in CERS. Correct the violation immediately.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

J NOFAL, REHS
HAZARDOUS MATERIALS SPECIALIST III
(714) 640-4512
jnofal@ochca.com

PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

FACILITY NAME SUCHY TRENCHING	FACILITY ADDRESS 11501 JEFFREY RD, IRVINE, CA 92602		
MAILING ADDRESS 3423 E CHAPMAN AVE STE D, ORANGE CA 92859		CERS ID / EPA ID 10548514 CAL000183770	
C/O - OWNER SUCHY TRENCHING INC		INSPECTOR LISA WALES	
FACILITY ID FA0039387	RELATED ID PR0044713	SERVICE: A01 - ROUTINE INSPECTION	INSPECTION DATE 10/25/2021
PROGRAM DESCRIPTION 5110 - HAZARDOUS WASTE SPECIAL GENERATOR			REINSPECTION DATE: NEXT ROUTINE

Consent to enter, inspect, and take photos of the facility was given by: None on File

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Overall Inspection Comments:

On site for a routine hazardous waste inspection with Bob Suchy. Hazardous waste was observed to be properly stored. Facility is in compliance at this time.

No violations were noted. Orange County Environmental Health greatly appreciates your efforts to comply with all health, safety, and environmental laws and regulations applicable to your facility.

SIGNATURE(S) OF ACKNOWLEDGEMENT

NAME:
TITLE:

Signing for the receipt of the above report is not an admission of the facts of the violations set forth herein.

INSPECTOR:

L WALES, REHS
HAZARDOUS MATERIALS SPECIALIST III
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ADDITIONAL FEES:
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HEALTH CARE AGENCY
Environmental Health
1241 E. Dyer Road, Suite 120
Santa Ana, CA. 92705
Phone: (714)433-6000 Fax: (714)754-1768

7/29/2009
2:53 PM

SERVICE REQUEST - PROGRAM RECORD REQUEST TANK REMOVAL FORM

SR0113751	7023	UST REMOVAL/CLOSURE **W/O UNIT BASE	
FA0040775	IRVINE VALENCIA GROWERS 11501 JEFFREY RD IRVINE	SERVICE REQUEST COMPLETION DATE	
ASSIGNED TO	EE0000601	ASSIGNED DATE	4/28/2009

CURRENT ACTIVE TANK INFORMATION

TANK ID	CONTENTS	PRODUCT DESCRIPTION	CAPACITY	TANK STATUS	REMOVE TANK YES	REMOVE TANK DATE
TA0002594	DOT 1203	REGULAR UNLEADED	10000	01	X	5/13/09

ENT'D JUL 30 2009

OCFA - PROGRAM RECORD REQUEST

Inspector: MALIS **Staff #** 215 **Date:** 10-27-03 **SUPV. INITIALS:**

FACILITY INFORMATION			
Facility DBA	INV. VALENCIA GROWERS	**FA #**	0040775
Site Address	11501 JEFFREY		
City	IRVINE	**Zip**	

UST REMOVAL	SR #	
TA #	Contents	Size
TA #	Contents	Size
TA #	Contents	Size
TA #	Contents	Size
TA #	Contents	Size
TA #	Contents	Size

SERVICE REQUEST	SR # 0103922
☒ Complete	**Date Completed:** 10-27-03

TIERED PERMIT		PR #		
Unit Type	Unit ID	Unit Name	Add	Close

ENTERED NOV 5 2003

Closed
JW
10-31-03

UST INSTALLATION/MODIFICATION PLAN CHECK LIST

FACILITY NAME: IRVINE VALENCIA GROWERS **PLAN CHECK NO:** SR0103922

ADDRESS: 1501 JEFFREY

CONTRACTOR NAME: JOE BUCK **COMPANY:** ADVAN. ENV. CONCEPTS

CONTRACTOR PHONE NUMBER: 661 831 1646

CHECK ONE: ☒ INSTALLATION ☐ MODIFICATION

NUMBER AND VOLUME OF TANKS INSTALLED 1 5K

MODIFICATION IS FOR: —

		DATE COMPLETED	INITIAL
PLANS REVIEWED AND APPROVED		5-13-03	L.M
COPY OF PRIMARY CONTRACTOR AND SUBCONTRACTOR LICENSE AND HAZ. SUBSTANCE CERTIFICATION RECEIVED		5-13-03	L.M
PASSED VACUUM TEST *(IF APPLICABLE)*		—	
PASSED HOLIDAY TEST *(COMPOSITE TANKS ONLY)*		—	
PASSED TANK PRESSURE TEST OR OTHER TEST AS	Primary	5-21 ✓	L.M
SPECIFIED BY THE MANUFACTURER	Secondary	5/21	L.M
PASSED PIPELINE PRESSURE TEST OR OTHER TEST AS	Primary	6/20	BJP
SPECIFIED BY THE MANUFACTURER	Secondary	6/24	BJP
PASSED WATER TEST – TURBINE AND/OR FILL SUMPS		6/20	BJP
PASSED WATER TEST – DISPENSER PANS AND/OR SUMPS		6/20	BJP
PASSED MONITORING SYSTEM INSPECTION – SENSORS (ANNULAR, SUMP, DISPENSERS, ETC.), LINE LEAK DETECTORS AND POSITIVE SHUTDOWN *(IF APPLICABLE)* DEMONSTRATED OPERATIONAL		7/10	L.M
PASSED FINAL INSPECTION - ALL INFO REQUESTED FOR OPERATING PERMIT (INSTALLATION MATCHES PLANS - CONSTRUCTION IS COMPLETE)		7/10	L.M
SOIL SAMPLE RESULTS RECEIVED AND FORWARDED TO GROUNDWATER *(IF APPLICABLE)*		—	
SYSTEM PASSED TANK/LINE INTEGRITY TEST AND RECEIVED RESULTS		7-18-03	L.M.
INSPECTION REPORT COMPLETED AND SUBMITTED TO SUPERVISOR WITH UPDATED TANK PAGE		5/21	L.M
INSTALLATION CERTIFICATION FORM RECEIVED, SIGNED BY OWNER		10/17	
DATE UST(S) AT SITE WERE REMOVED *(PLAN CHECK #)*		—	
FUEL COMPLIANCE CERTIFICATE ISSUED *(IF APPLICABLE)*		—	

INSPECTOR ON-SITE FOR INSTALLATION/MODIFICATION *(PRINT NAME)*

661 979 1828 Loure

COUNTY OF ORANGE CERTIFIED UNIFIED PROGRAM AGENCY - CUPA

HEALTH CARE AGENCY / ENVIRONMENTAL HEALTH
2009 E. EDINGER AVENUE, SANTA ANA, CA 92705-4720
Telephone: (714) 667-3600 / FAX: (714) 568-5116

UST FACILITY MODIFICATION APPLICATION

SUBMIT A SEPARATE FORM FOR EACH TYPE OF CONSTRUCTION ACTIVITY
(e.g. Installations, Removals, System Modifications, Repairs, etc.)

SITE INFORMATION

FACILITY NAME: Irvine - Valencia Growers SUBMITTAL DATE: 4/22/03
ADDRESS: ~~[illegible]~~ 11501 Jeffrey Road
CITY: Irvine CITY CODE TELEPHONE NO: 949 936-8080
ZIP CODE: 92620 CONTACT NAME: Dominic Etcheberria

APPLICANT REQUESTOR

APPLICANTS NAME: Jon Buck COMPANY NAME Advanced ENV Concepts
ADDRESS: 4400 Ashe Road #206
CITY: Bakersfield
X Jonathan Buck
APPLICANTS SIGNATURE (TANK OWNER OR DESIGNEE)
STATE: CA ZIP: 93313
TELEPHONE NO: 661 831-1646
ALTERNATE # (CELL / PAGER) 661 979 1828

UPC UST Forms are required to be submitted prior to pick up of approved UST plans. Forms provided at Plan Check Counter or at http://www.oc.ca.gov/hca/regulatory/cupa/forms.htm

TYPE OF CONSTRUCTION

UST PLAN TYPE:	CODE
☑ INSTALLATION (S) # 1 - 5K GAS	T01
☐ CLOSURE (S) - REMOVAL (S) # _____	T02
☐ SYSTEM MODIFICATION (REPIPE, REPAIR TO PIPING:	T03
☐ REPAIR (S) OR RELINE (S) USTs	T04
☐ OTHER (SPECIFY) _____	T05

CONTRACTOR INFORMATION
(Persons performing work on USTs must meet specific State Contractors Licensing Board requirements)

CONTACT PERSON Jon Buck
BUSINESS NAME Advanced Environmental Concepts
ADDRESS 4400 Ashe Road #206
CITY Bakersfield
STATE CA ZIP 93313
TELEPHONE NO. 661 831-1646
CONTRACTORS LICENSE TYPE A, HAZ
CONTRACTORS STATE LICENSE # 720492

PAID

NOTES: NEW INSTALLATIONS, CLOSURES, REPAIRS AND SYSTEM MODIFICATIONS OF UNDERGROUND STORAGE TANKS REQUIRE THE SUBMITTAL OF (4) SETS OF PLANS TO THIS DIVISION. THESE PLANS MUST BE APPROVED PRIOR TO THE INITIATION OF ANY CONSTRUCTION OR MODIFICATION. ALL PLANS OR REPORTS REQUIRED MUST ACCOMPANY THIS FORM AT THE TIME OF SUBMITTAL

PLAN APPROVAL AND FEES ARE VALID FOR ONE YEAR. IF TANKS HAVE NOT BEEN REMOVED, INSTALLED OR MODIFIED WITHIN ONE YEAR OF THE APPROVAL DATE, NEW PLANS AND FEES MUST BE SUBMITTED

HSO-181216 4-22-03

OFFICE USE ONLY

SR # 010322 PE: 7024 FEES PAID: 418- CHECK # 1261 RCVD BY: LL

PLAN APPROVAL DATE: _____ BY: _____ FA # _____

To: Lance Malis – Orange County Health Care Agency

From: Jon Buck – Advanced Environmental Concepts, Inc.

RE: New 5,000-gal UST installation
Irvine-Valencia Growers
11501 Jeffrey Road
Irvine, California

Dear Lance:

This letter will serve as an amendment to the prior submitted plans for the new UST installation at Irvine-Valencia Growers, 11501 Jeffrey Road, Irvine, California.

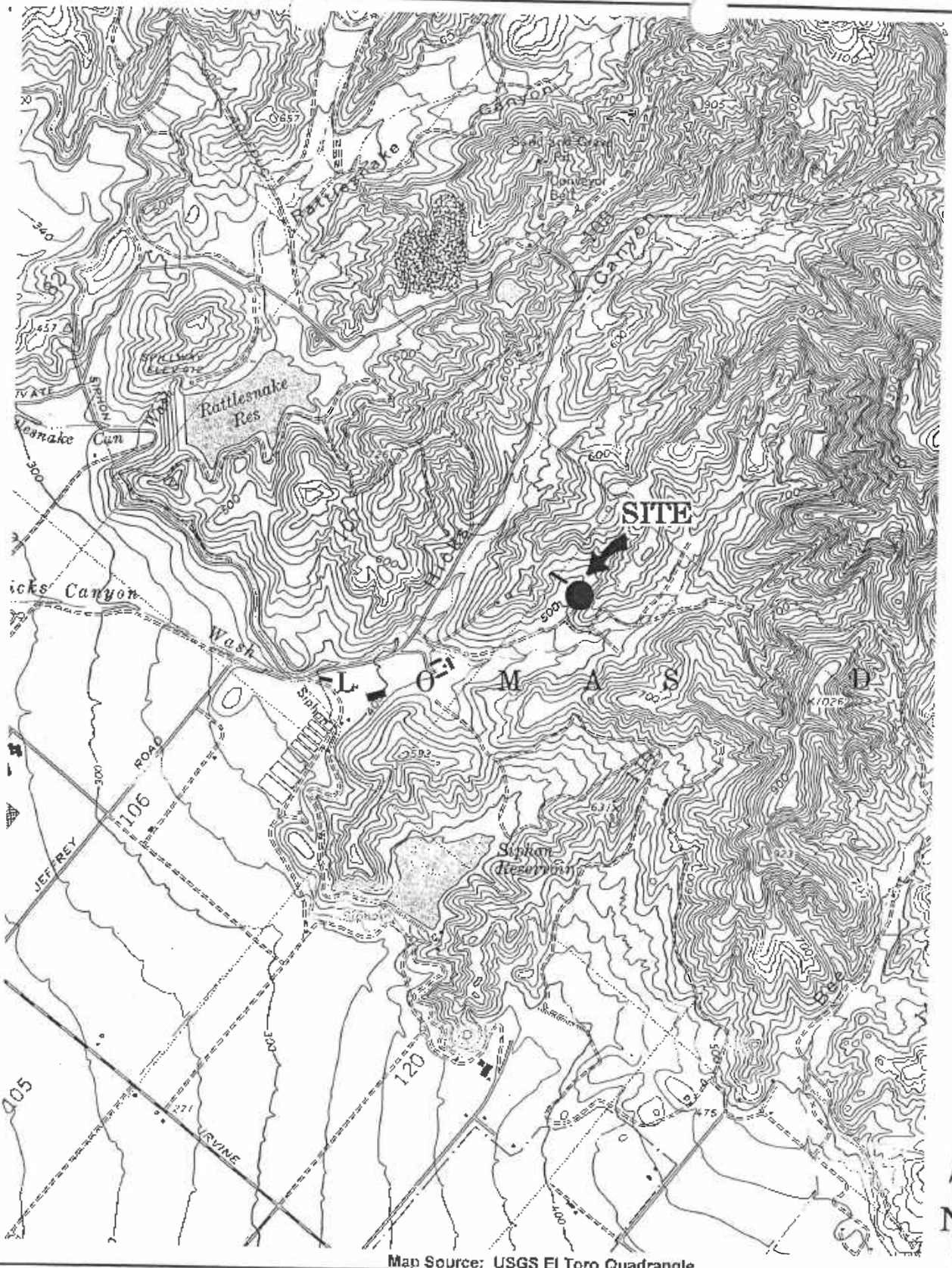
AEC will install positive shut-down sensing units in the dispenser sump and tank sumps for the new installation.

If you should have any additional questions please contact me at (661) 979-1828 or at the office (661) 831-1646.

Sincerely,

Jonathan Buck

Jonathan C Buck



Map Source: USGS El Toro Quadrangle

ADVANCED ENVIRONMENTAL CONCEPTS

ADVANCED ENVIRONMENTAL CONCEPTS
4400 Ashe Road, Suite #206
Bakersfield, CA 93313

- Site Area Map -

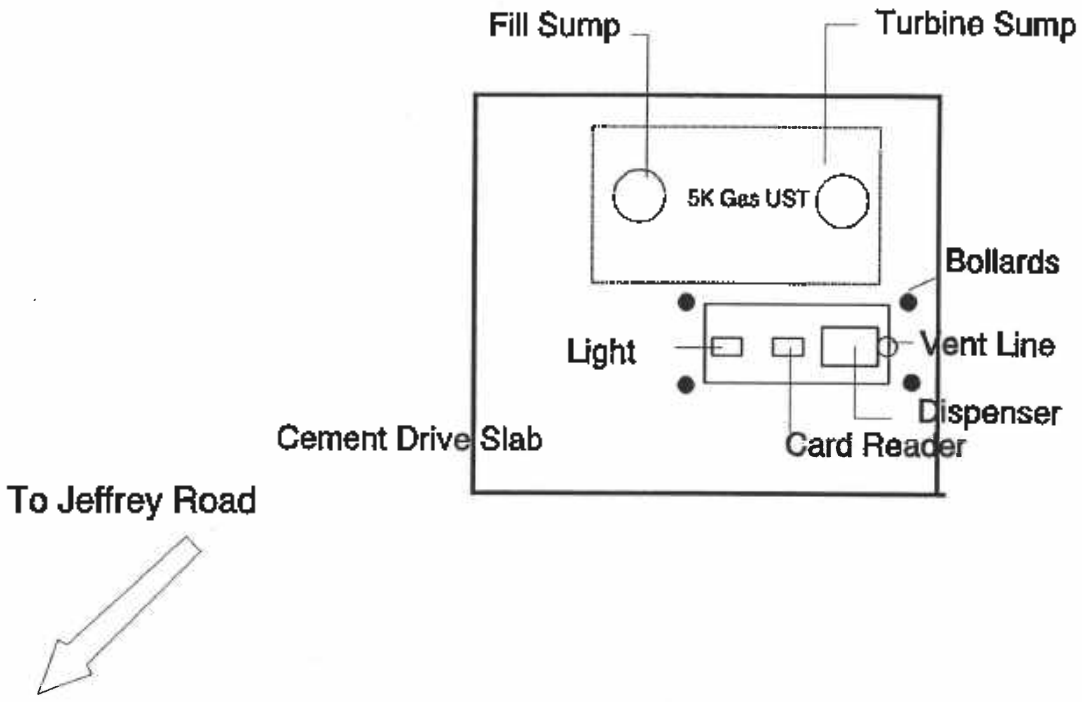
Irvine Valencia Growers

11501 Jeffrey Road

County of Orange • Irvine, CA

FIGURE

1



ADVANCED ENVIRONMENTAL CONCEPTS INC

ADVANCED ENVIRONMENTAL CONCEPTS
P.O. BOX 40672 BAKERSFIELD, CA 93384

Proposed UST Configuration

Irvine Valencia Growers

North Extension of Jeffrey Road

County of Orange • Irvine, California

FIGURE 2

Consumer Affairs

State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 720492 Entity CORP

Business Name ADVANCED ENVIRONMENTAL
CONCEPTS INC

Classification(s) A HAZ HIC

Expiration Date 03/31/2004